OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for UM800049CF

DDX56 Mouse Monoclonal Antibody [Clone ID: UMAB152]

Product data:

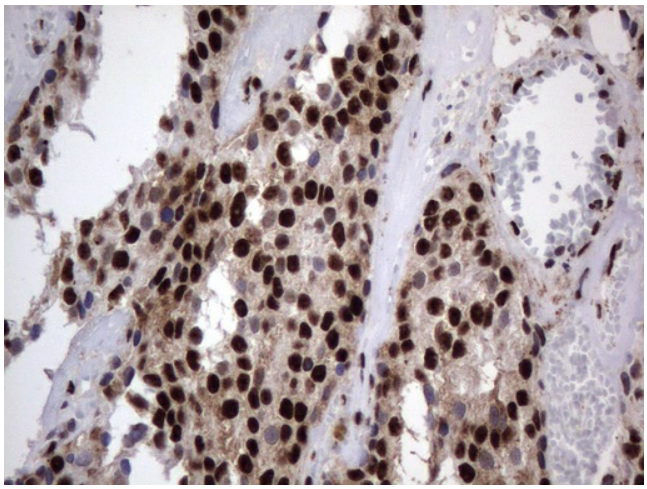
Product Type:	Primary Antibodies
Clone Name:	UMAB152
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:100~200
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 323-547 of human DDX56 (NP_061955) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DEAD-box helicase 56
Database Link:	NP_061955 Entrez Gene 54606 Human Q9NY93

View online »

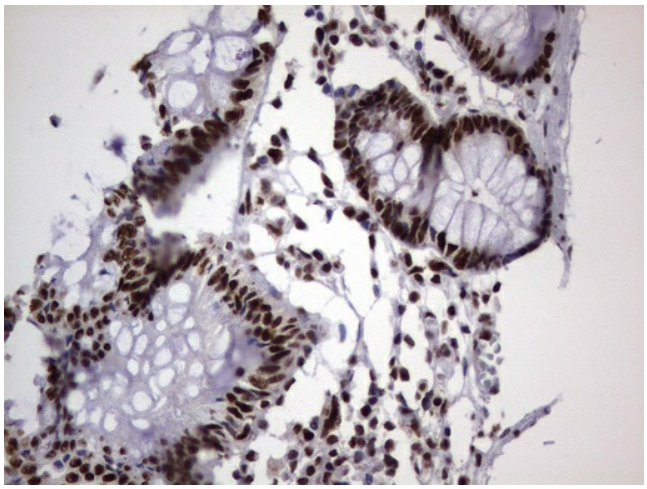
Background: This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. This gene may be involved in ribosome synthesis, most likely during assembly of the large 60S ribosomal subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]

Synonyms: DDX21; DDX26; NOH61

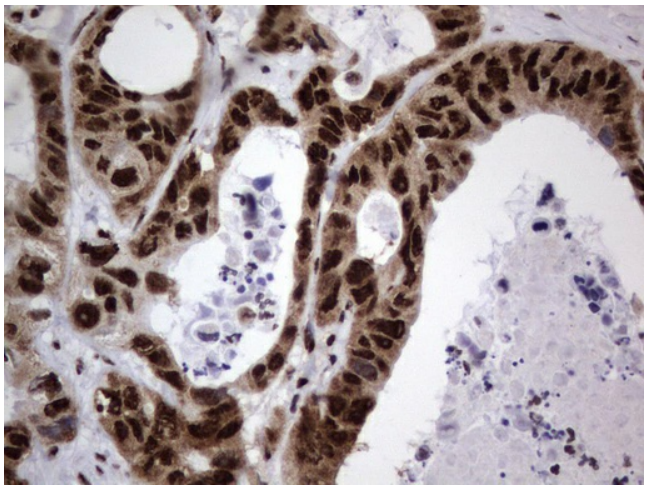
Product images:



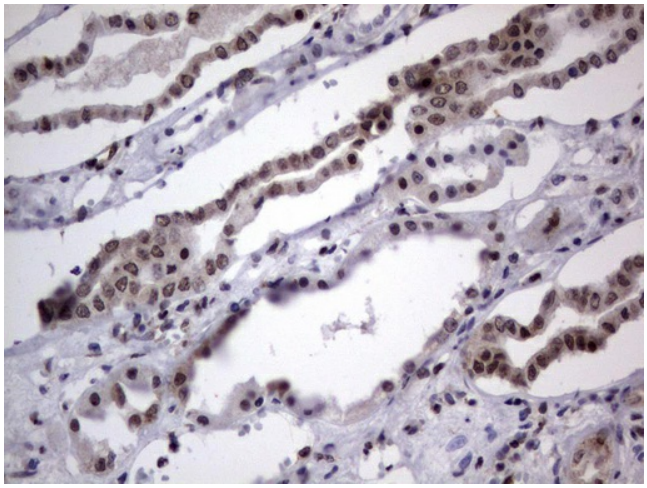
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



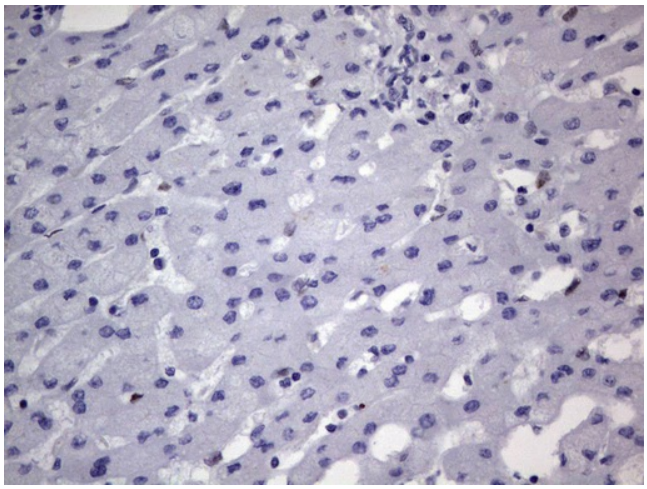
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



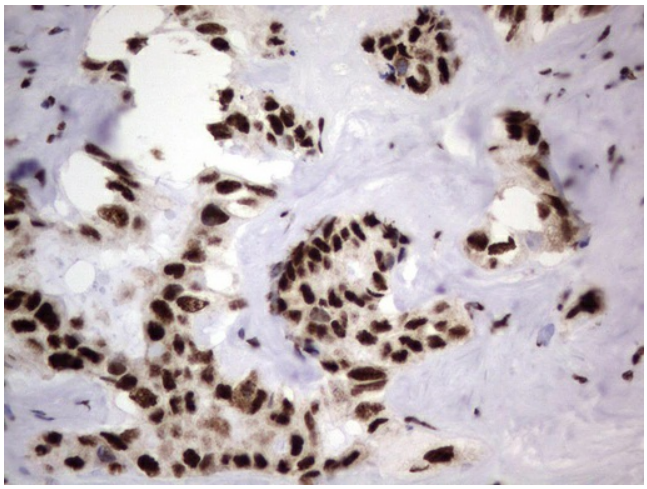
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



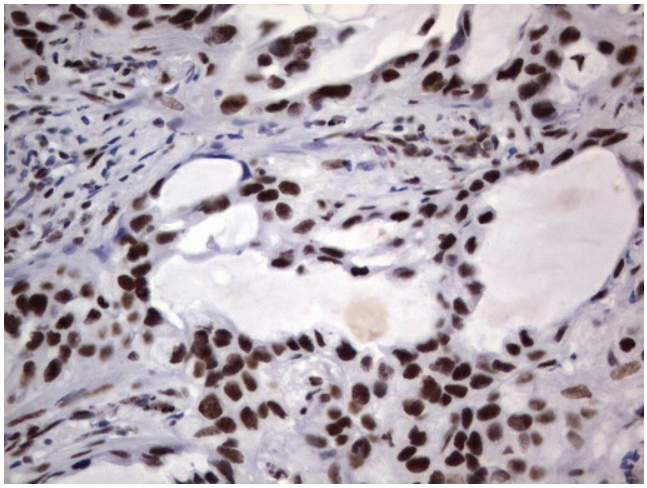
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



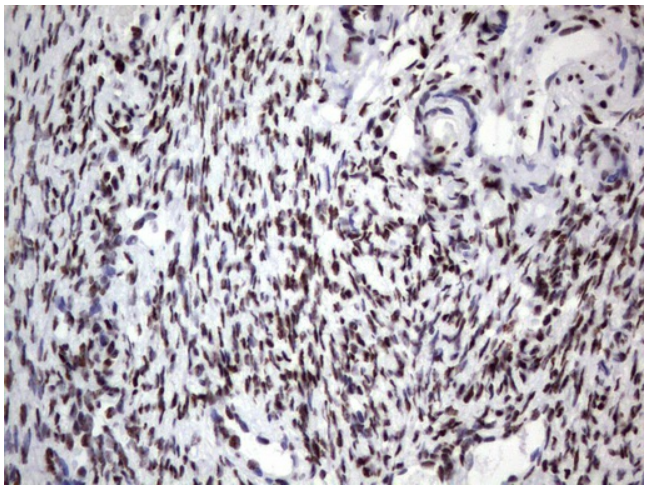
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



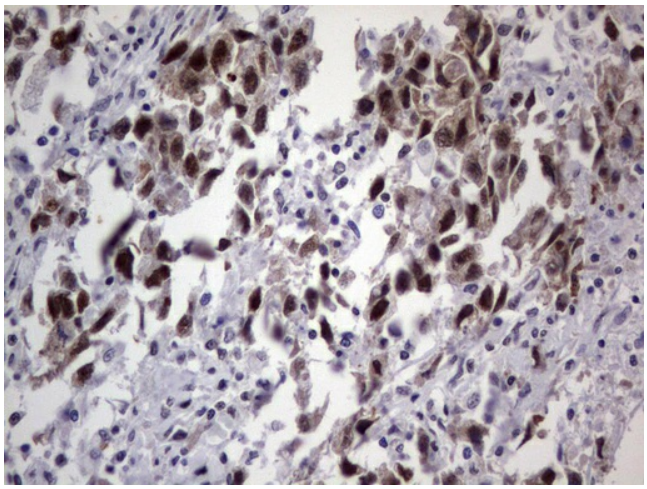
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



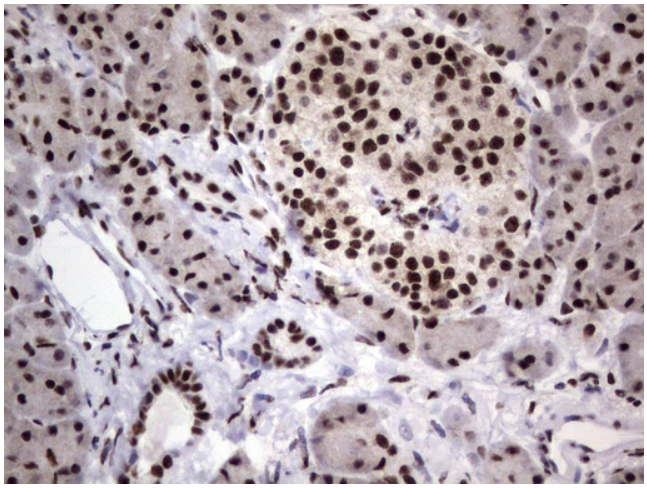
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



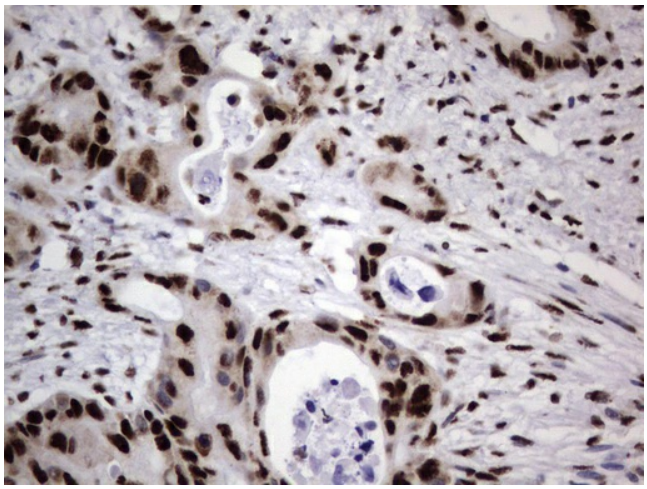
Immunohistochemical staining of paraffin-embedded Human Ovary tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



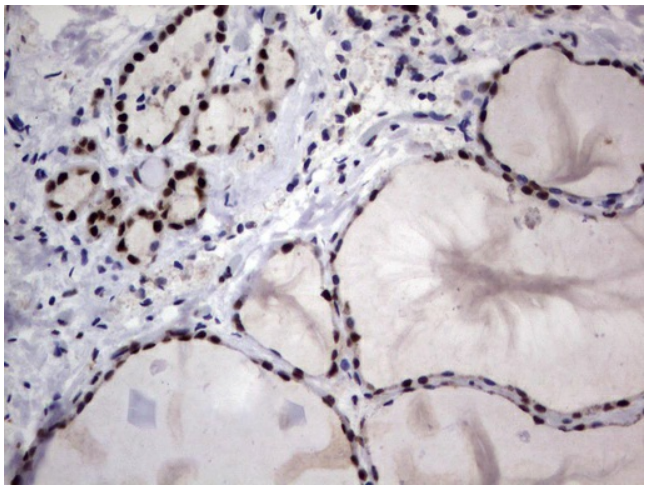
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



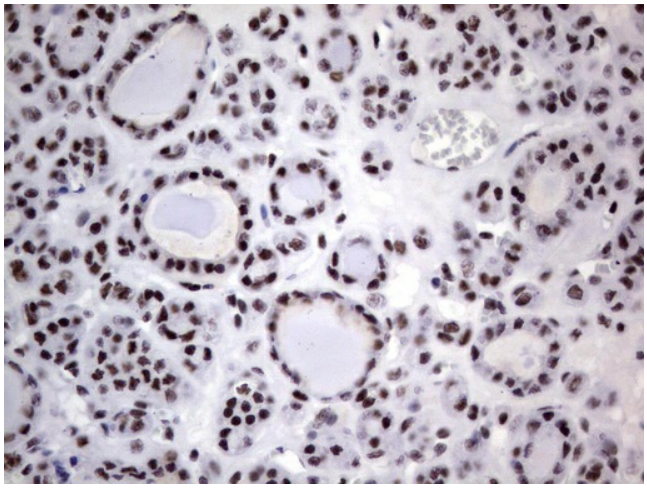
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



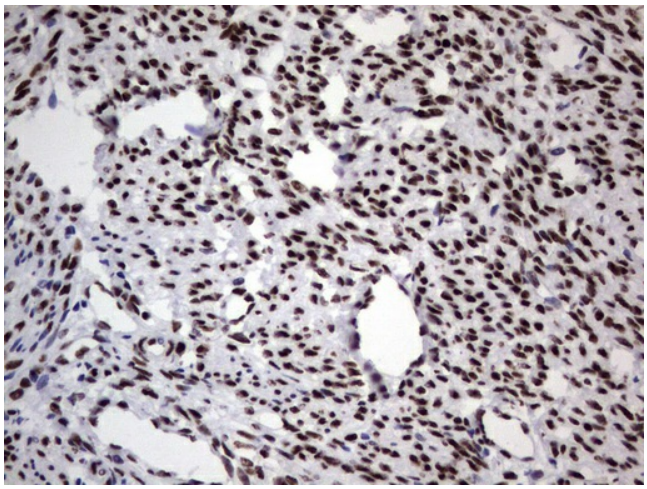
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



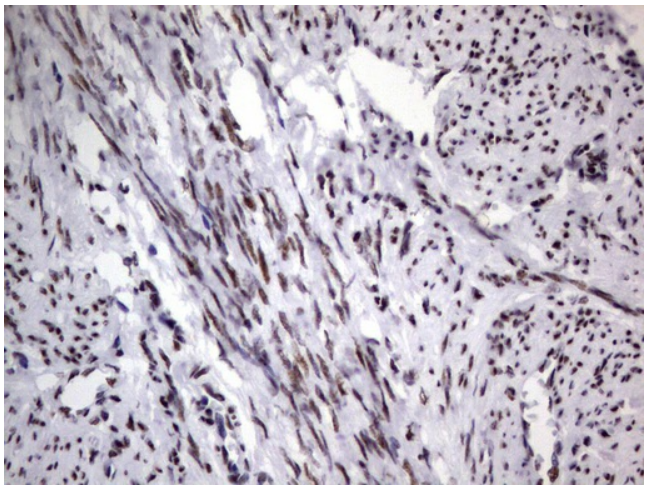
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



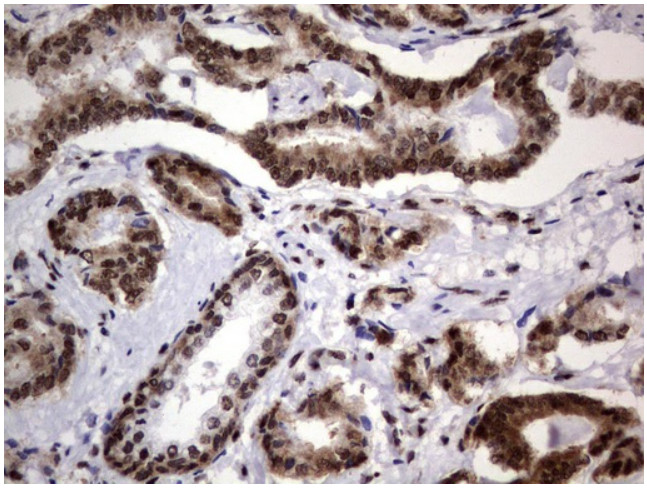
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



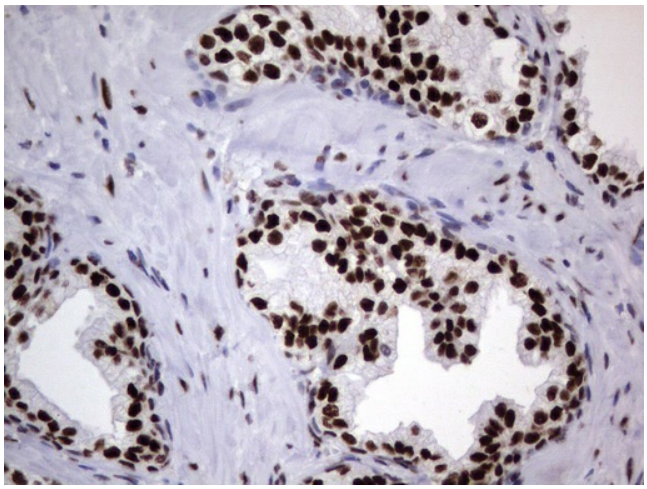
Immunohistochemical staining of paraffin-embedded Human endometrium tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



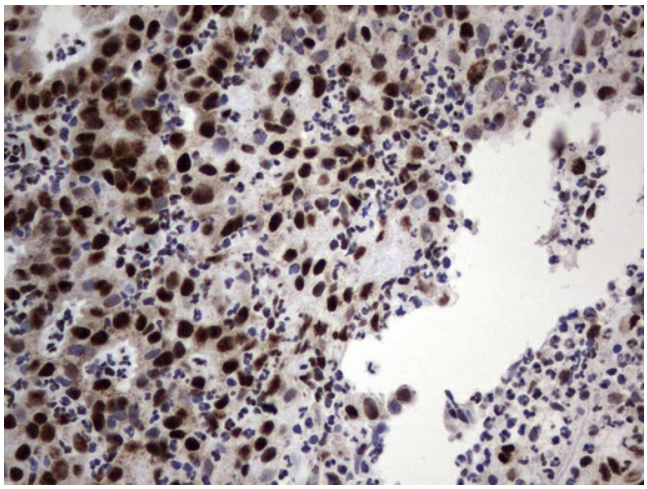
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



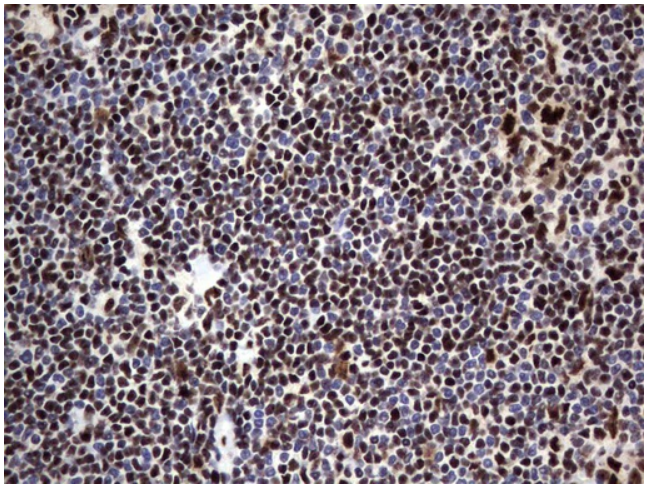
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



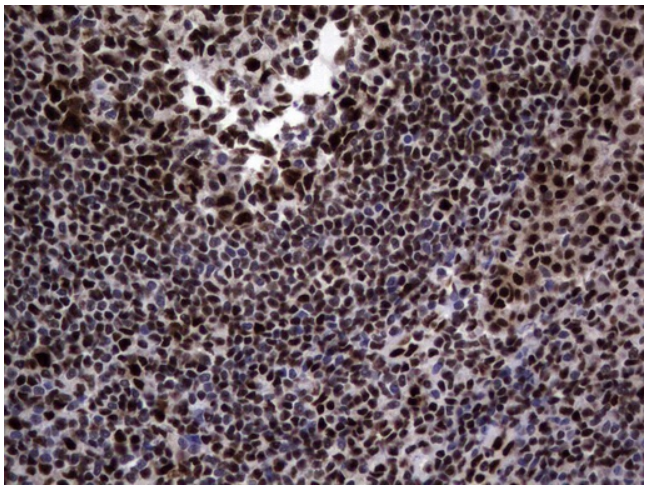
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



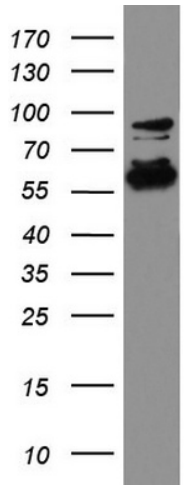
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



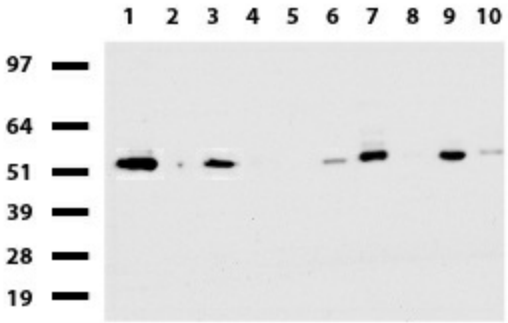
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



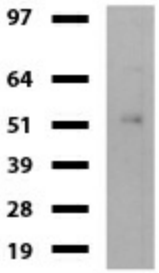
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-DDX56 mouse monoclonal antibody. ([UM800049]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min)



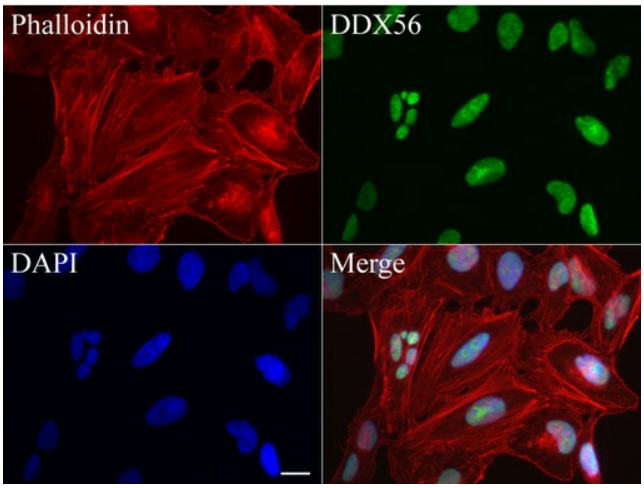
Western blot analysis of HCT116 cell lysate (35ug) by using anti-DDX56 monoclonal antibody.



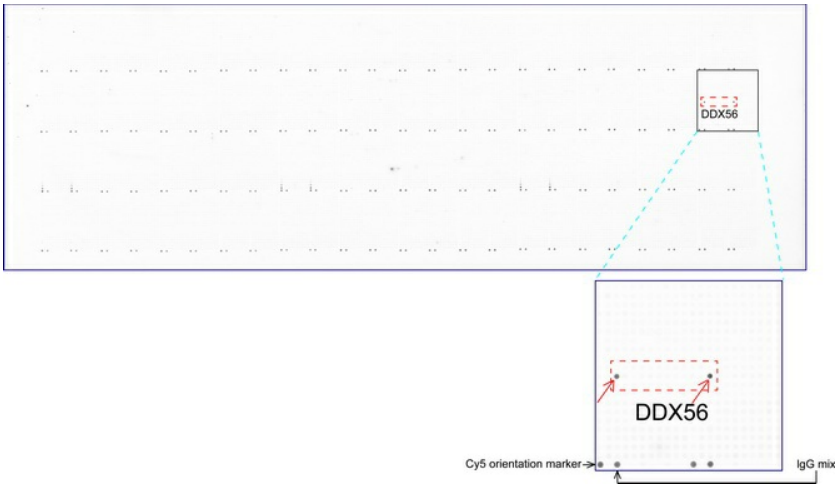
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluation: 1:500.



Western blot of mouse tissue lysates (20ug) from Spleen. Primary antibody diluation: 1:500. Secondary antibody dilution: Mouse TrueBlot® Ultra (1:1000).



Immunofluorescent staining of HeLa cells using anti-DDX56 mouse monoclonal antibody ([UM800049], green, 1:100). Actin filamentsw were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-DDX56 mouse monoclonal antibody ([UM800049]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.