

Product datasheet for **CF503322**

SETD7 Mouse Monoclonal Antibody [Clone ID: OTI2D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SETD7(NP_085151) produced in HEK293T cell.
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.
Predicted Protein Size:	40.5 kDa
Gene Name:	SET domain containing 7, histone lysine methyltransferase
Database Link:	NP_085151 Entrez Gene 73251 MouseEntrez Gene 689954 RatEntrez Gene 476079 DogEntrez Gene 700426 MonkeyEntrez Gene 80854 Human Q8WTS6
Synonyms:	KMT7; SET7; SET7/9; SET9

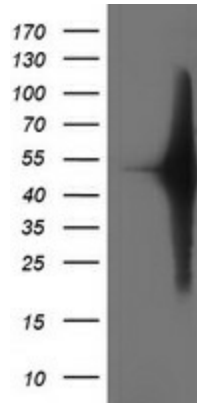


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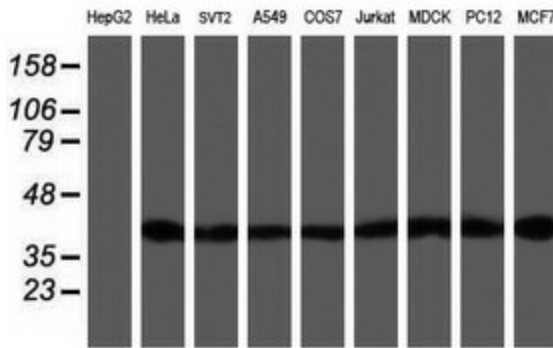
Protein Families: Druggable Genome

Protein Pathways: Lysine degradation

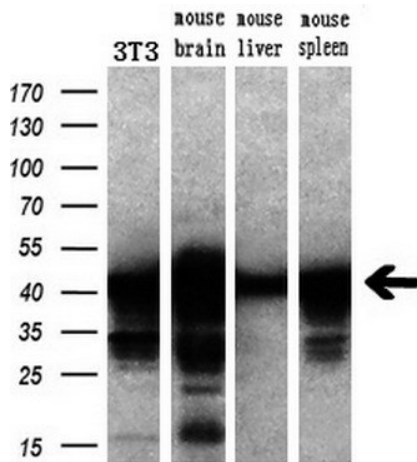
Product images:



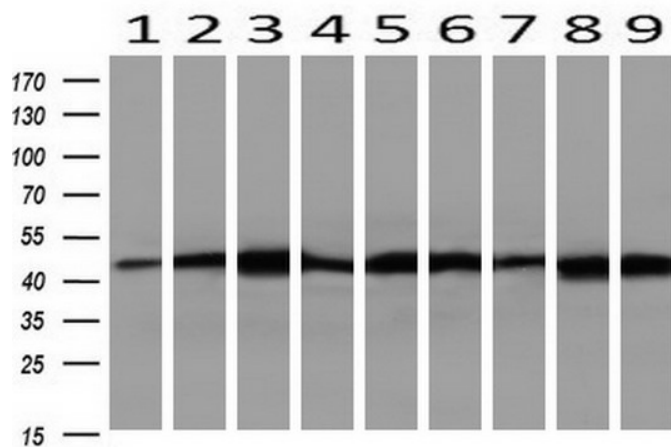
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SETD7 (Cat# [RC219244], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SETD7(Cat# [TA503322]). Positive lysates [LY403067] (100ug) and [LC403067] (20ug) can be purchased separately from OriGene.



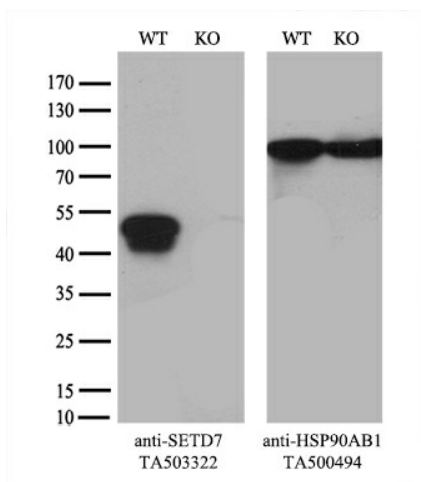
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SETD7 monoclonal antibody.



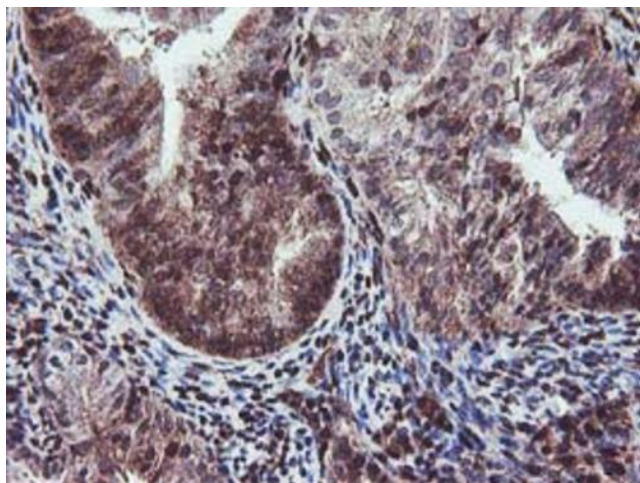
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-SETD7 monoclonal antibody (1:200).



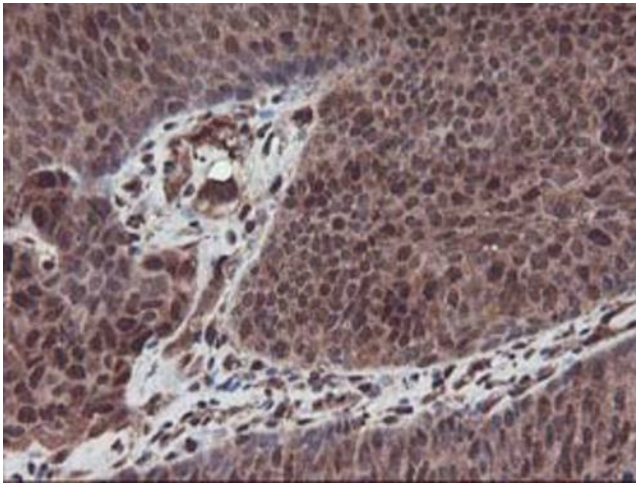
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-SETD7 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



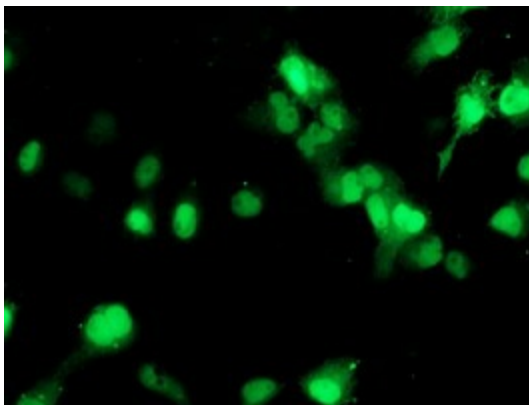
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and SETD7-Knockout HeLa cells (KO, Cat# [LC833317]) were separated by SDS-PAGE and immunoblotted with anti-SETD7 monoclonal antibody [TA503322] (1:2000 `). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



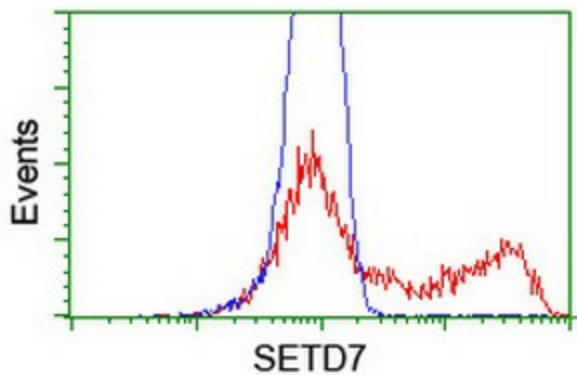
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-SETD7 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-SETD7 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-SETD7 mouse monoclonal antibody ([TA503322]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SETD7 ([RC219244]).



HEK293T cells transfected with either [RC219244] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SETD7 antibody ([TA503322]), and then analyzed by flow cytometry.