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Product datasheet for UM800149CF

MSH2 Mouse Monoclonal Antibody [Clone ID: UMAB259]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB259
Applications:	IHC
Recommended Dilution:	IHC 1:2400
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-304 of human MSH2 (NP_000242) 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.
Predicted Protein Size:	104.6 kDa
Gene Name:	mutS homolog 2
Database Link:	NP_000242 Entrez Gene 17685 MouseEntrez Gene 81709 RatEntrez Gene 4436 Human P43246

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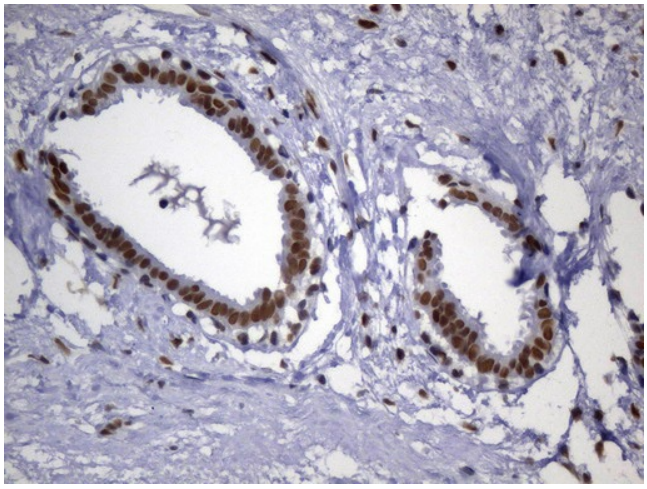
Background: This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Synonyms: COCA1; FCC1; hMSH2; HNPCC; HNPCC1; LCFS2; MMRCS2

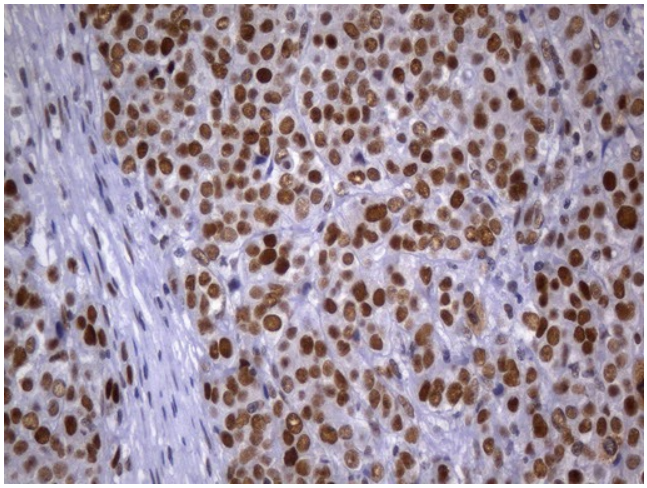
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Colorectal cancer, Mismatch repair, Pathways in cancer

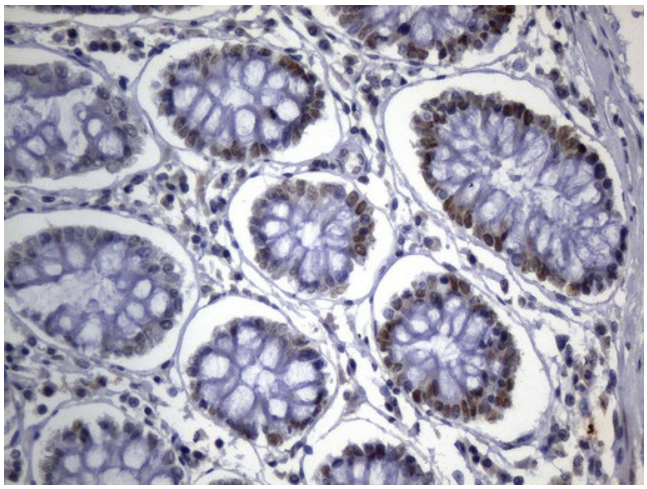
Product images:



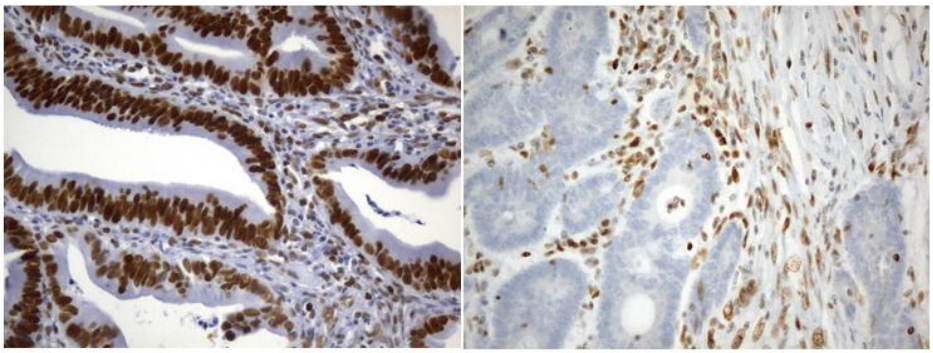
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



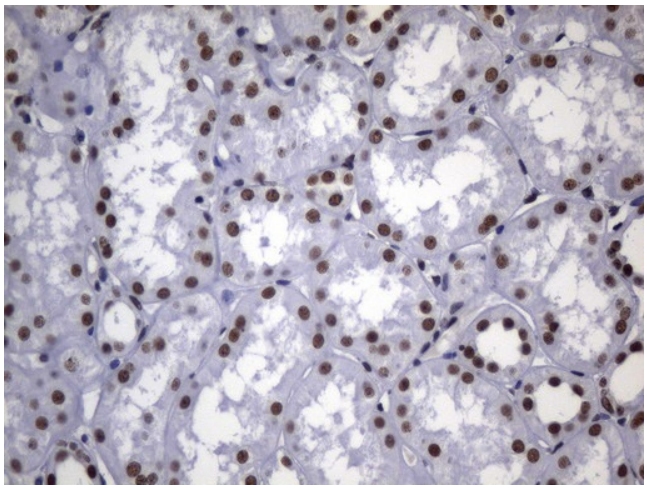
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



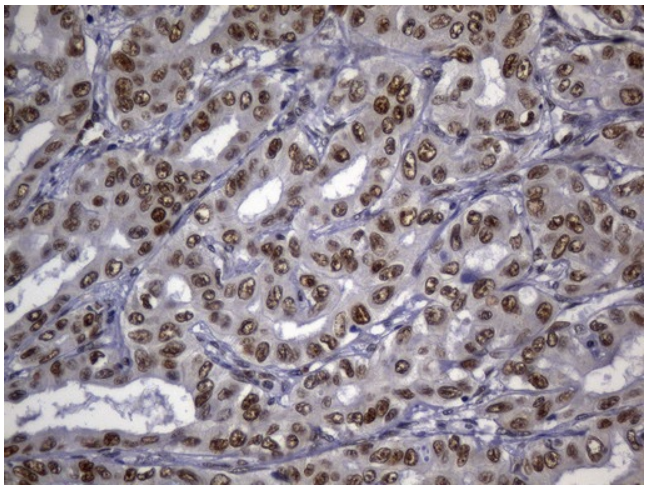
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



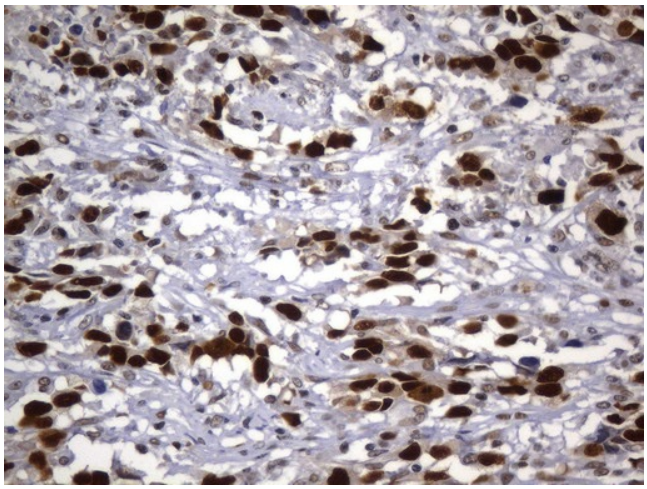
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



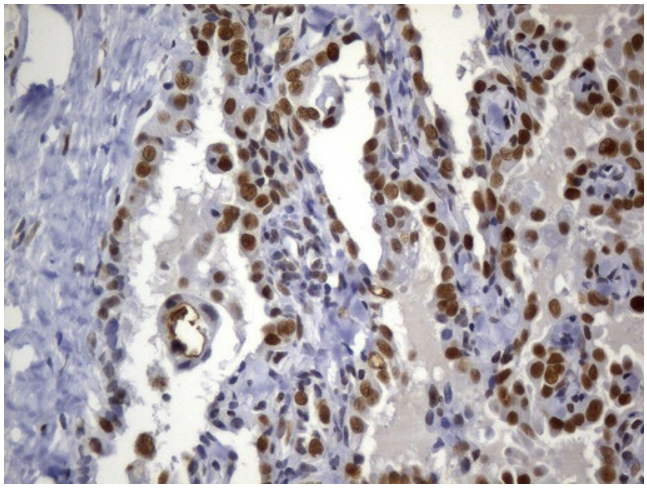
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



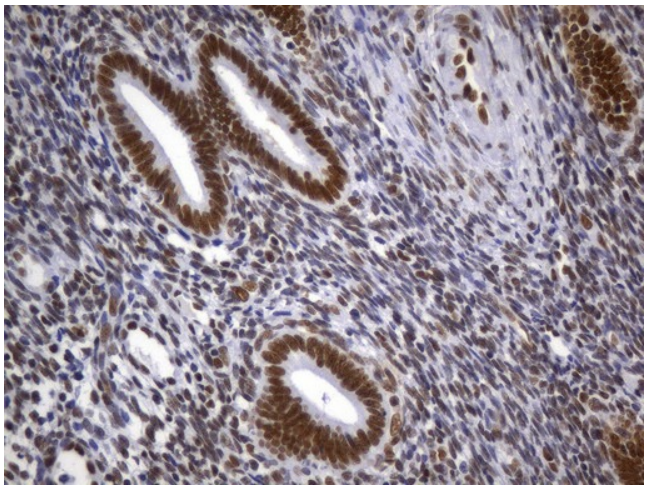
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



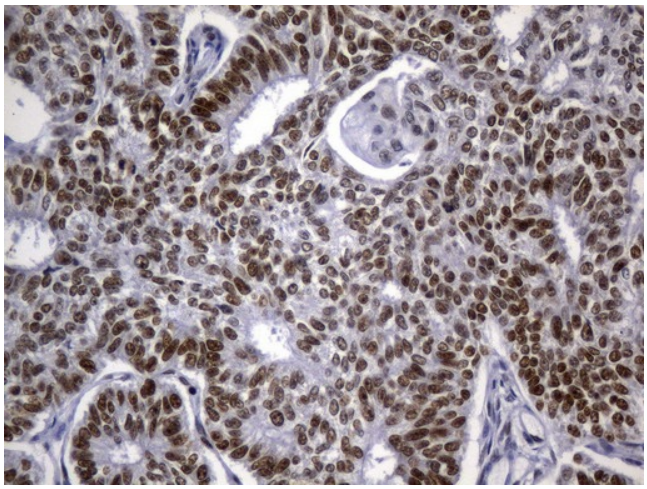
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



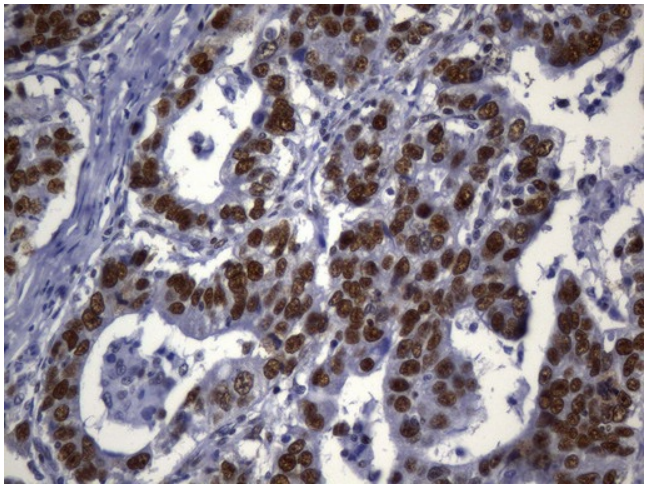
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



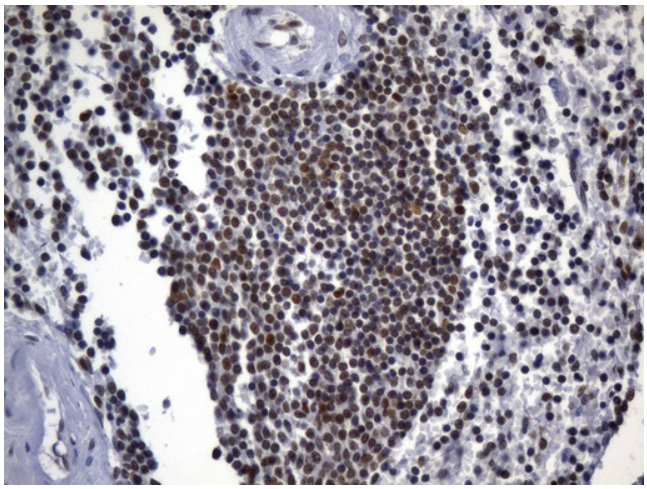
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



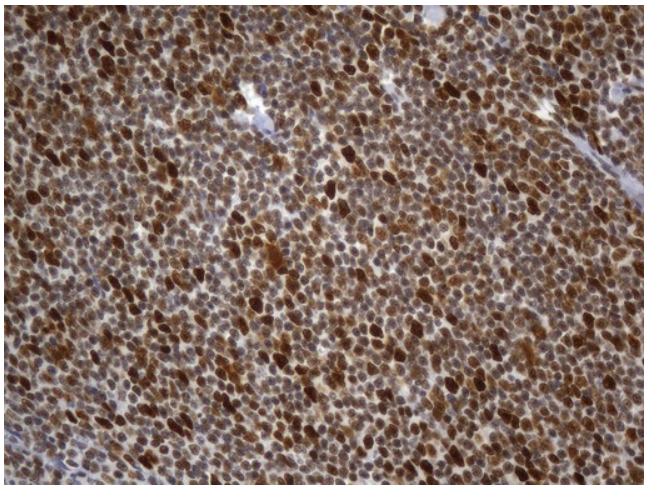
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



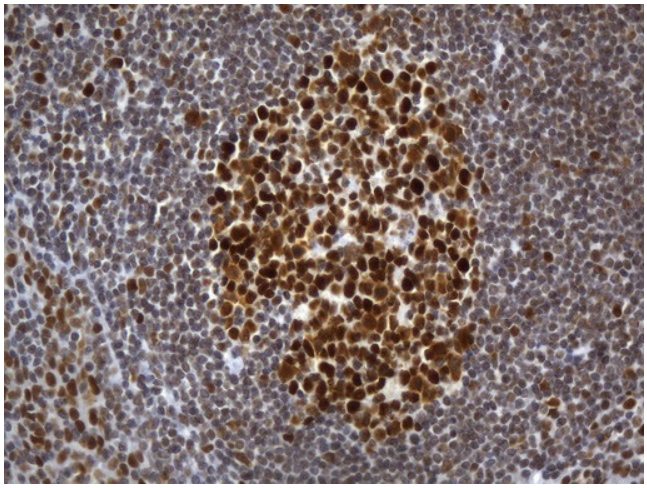
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



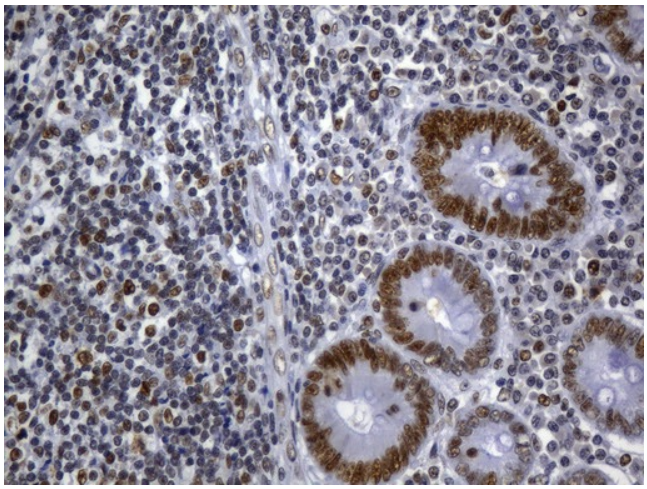
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-MSH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800149]) (1:2400)