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Product datasheet for TA501290AM

USP5 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E3
Applications:	IHC, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:50
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human USP5 (NP_003472) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93.1 kDa
Gene Name:	ubiquitin specific peptidase 5
Database Link:	NP_003472 Entrez Gene 297593 RatEntrez Gene 486718 DogEntrez Gene 714032 MonkeyEntrez Gene 8078 Human P45974

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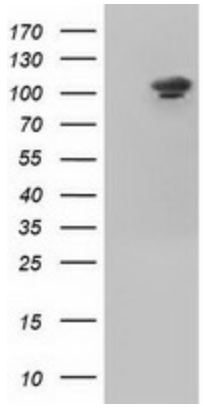
Background: Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]). [supplied by OMIM]

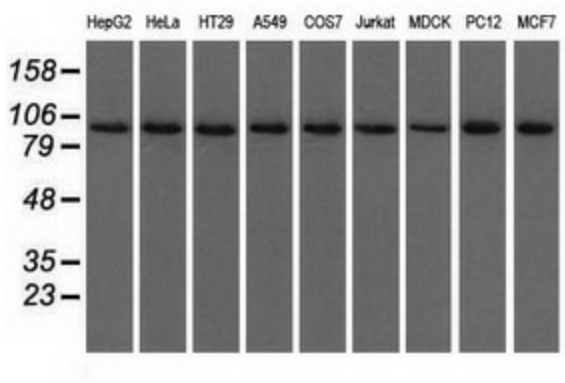
Synonyms: ISOT

Protein Families: Druggable Genome, Protease

Product images:

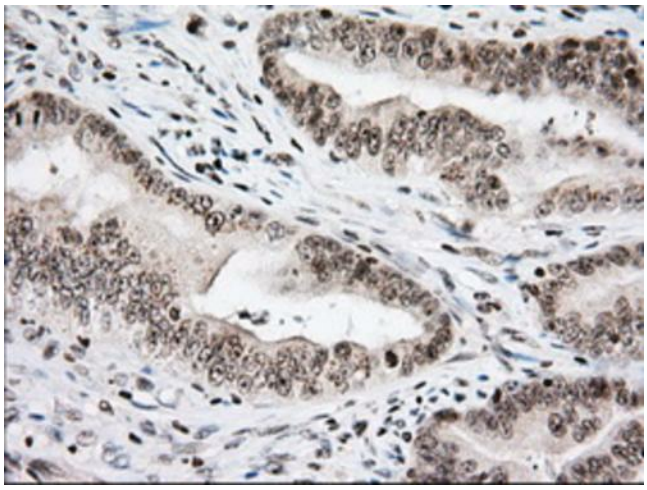


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY USP5 (Cat# [RC202624], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-USP5(Cat# [TA501290]). Positive lysates [LY418652] (100ug) and [LC418652] (20ug) can be purchased separately from OriGene.

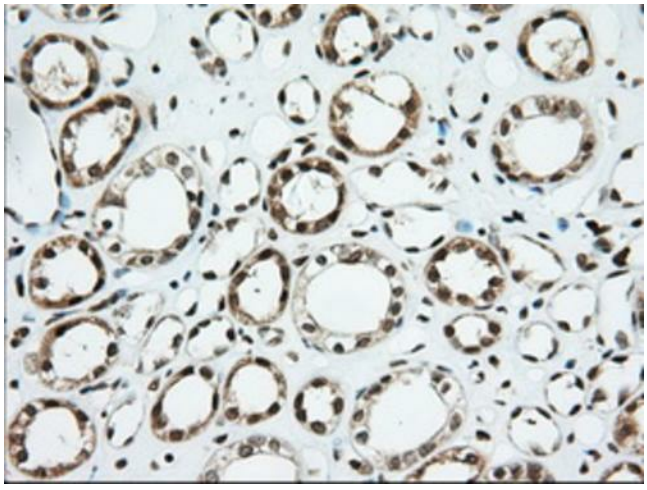


Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-USP5 monoclonal antibody.

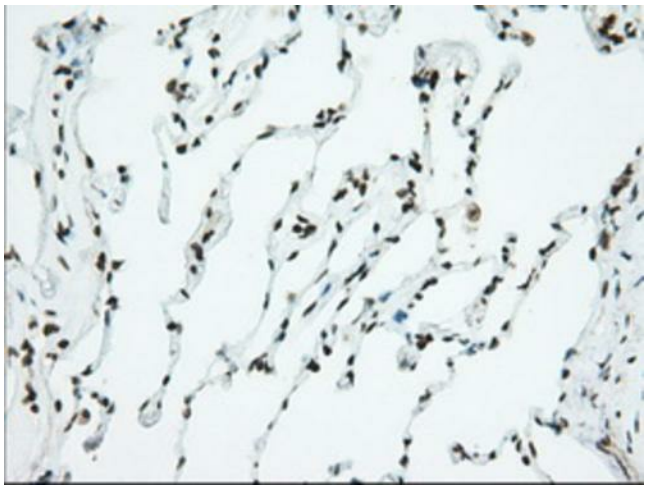
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dition 1:50)



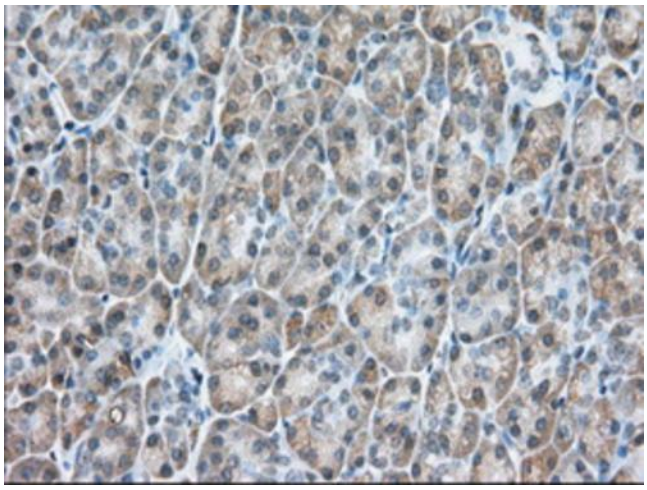
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dilution 1:50)



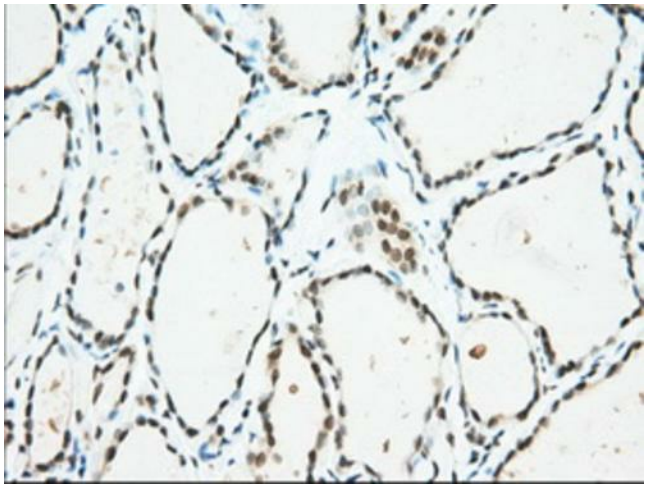
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dilution 1:50)



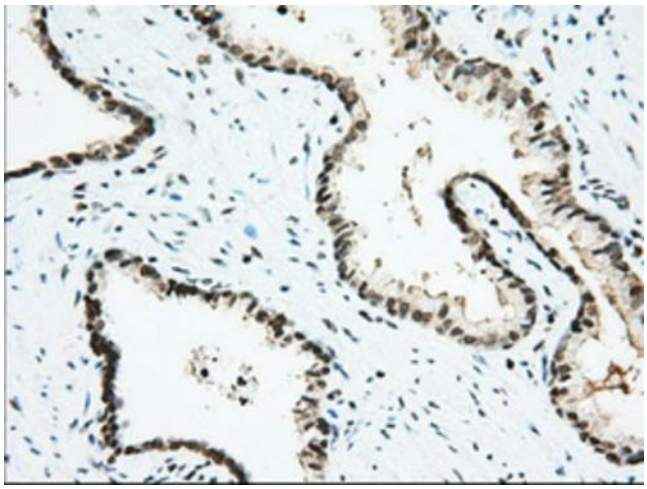
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dition 1:50)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-USP5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501290], Dilution 1:50)