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USP48 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant USP48.
Catalog # AT4494a

Specification

USP48 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q86UV5
Other Accession	NM_032236
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**119032**

USP48 Antibody (monoclonal) (M01) - Additional Information

Gene ID 84196

Other Names
Ubiquitin carboxyl-terminal hydrolase 48, Deubiquitinating enzyme 48, Ubiquitin thioesterase 48, Ubiquitin-specific-processing protease 48, USP48, USP31

Target/Specificity
USP48 (NP_115612, 110 a.a. ~ 219 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
USP48 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

USP48 Antibody (monoclonal) (M01) - Protocols

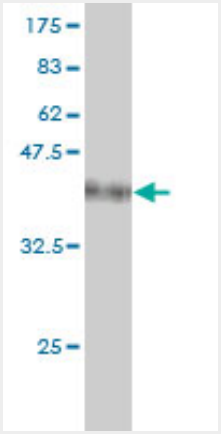
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

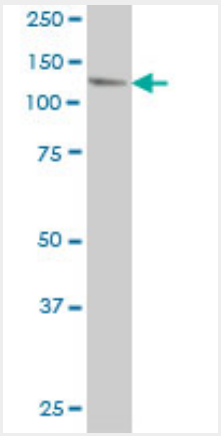
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

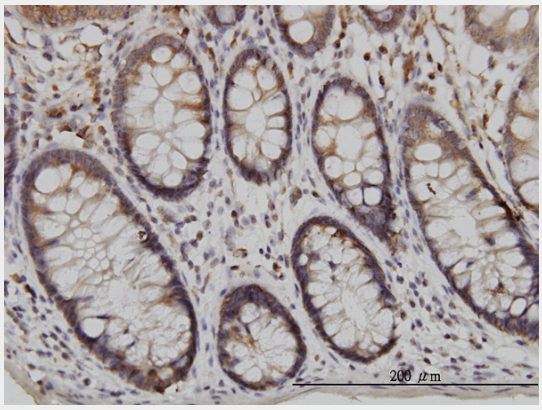
USP48 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



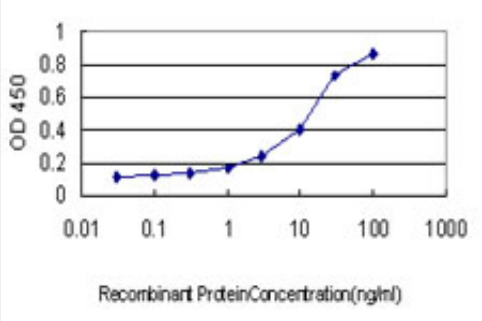
USP48 monoclonal antibody (M01), clone 3G4 Western Blot analysis of USP48 expression in HeLa ((Cat # AT4494a)



Immunoperoxidase of monoclonal antibody to USP48 on formalin-fixed paraffin-embedded human

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colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged USP48 is approximately 0.3ng/ml as a capture antibody.

USP48 Antibody (monoclonal) (M01) - Background

This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

USP48 Antibody (monoclonal) (M01) - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.Human ubiquitin specific protease 31 is a deubiquitinating enzyme implicated in activation of nuclear factor-kappaB. Tzimas C, et al. Cell Signal, 2006 Jan. PMID 16214042.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.