

**USP48 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant USP48.****Catalog # AT4494a****Specification**

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**USP48 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q86UV5</a>
Other Accession	<a href="#">NM_032236</a>
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.

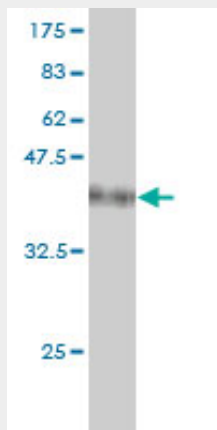
**USP48 Antibody (monoclonal) (M01) - Protocols**

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

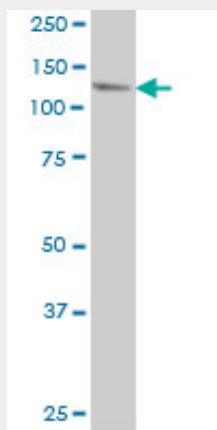
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

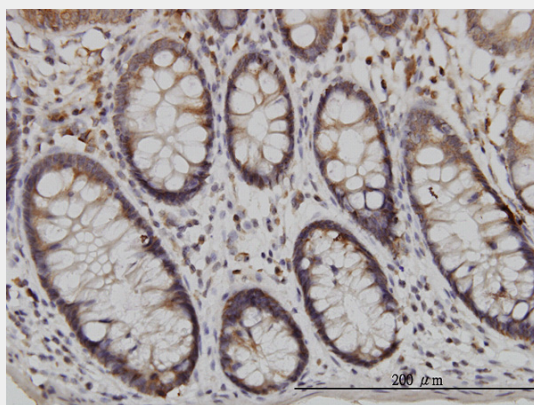
#### USP48 Antibody (monoclonal) (M01) - Images



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

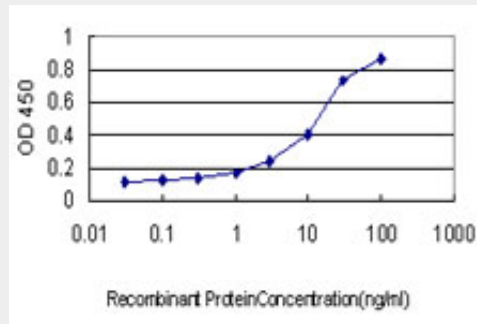


USP48 monoclonal antibody (M01), clone 3G4 Western Blot analysis of USP48 expression in HeLa (Cat # AT4494a)



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

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.