

## Product datasheet for **TA801869AM**

### USP48 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F10
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 361-743 of human USP48 (NP_115612) produced in E.coli.
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.
Gene Name:	ubiquitin specific peptidase 48
Database Link:	<a href="#">NP_115612</a> <a href="#">Entrez Gene 170707 Mouse</a> <a href="#">Entrez Gene 362636 Rat</a> <a href="#">Entrez Gene 84196 Human</a> <a href="#">Q86UV5</a>
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. [provided by RefSeq, Jul 2008]

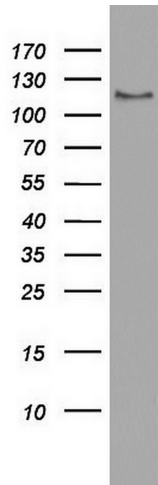


[View online »](#)

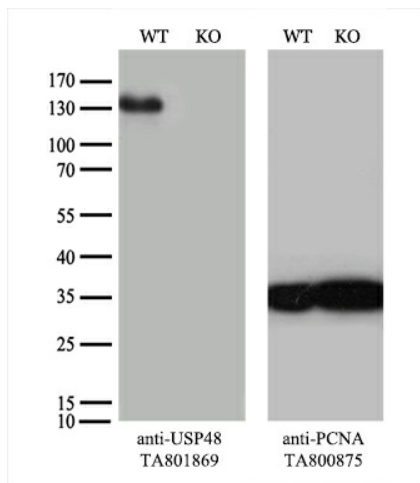
**Synonyms:** RAP1GA1; USP31

**Protein Families:** Druggable Genome, Protease, Transmembrane

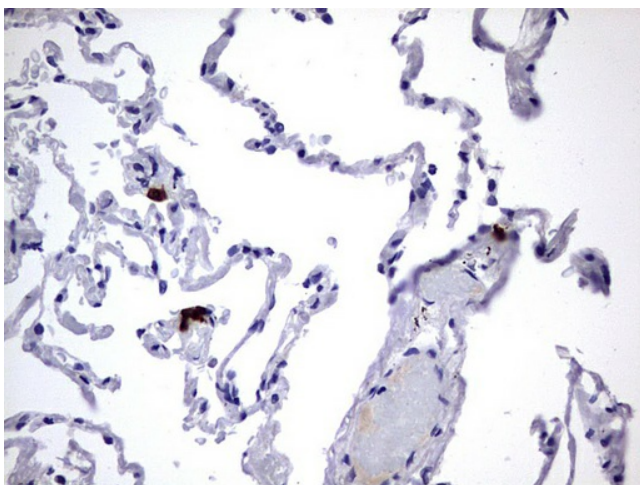
**Product images:**



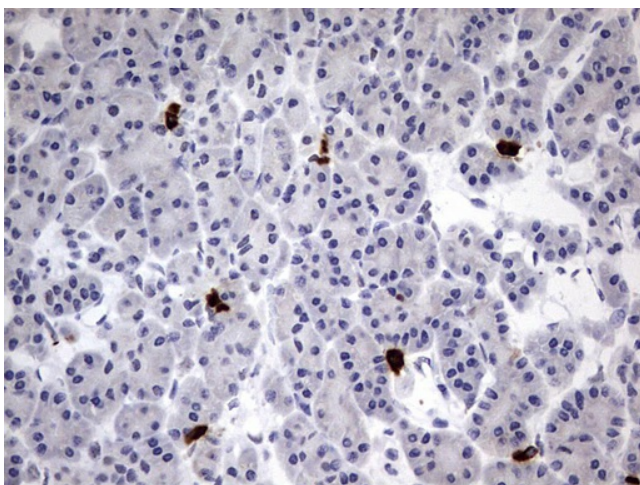
Western blot analysis of HT29 cell lysate (35ug) by using anti-USP48 monoclonal antibody.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and USP48-Knockout HeLa cells (KO, Cat# [LC810390]) were separated by SDS-PAGE and immunoblotted with anti-USP48 monoclonal antibody [TA801869] (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-USP48 mouse monoclonal antibody. ([TA801869])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-USP48 mouse monoclonal antibody. ([TA801869])