

## USP48 Polyclonal Antibody

<b>Catalog No :</b>	YT4843
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;WB;ELISA
<b>Target :</b>	USP48
<b>Gene Name :</b>	USP48
<b>Protein Name :</b>	Ubiquitin carboxyl-terminal hydrolase 48
<b>Human Gene Id :</b>	84196
<b>Human Swiss Prot No :</b>	Q86UV5
<b>Mouse Gene Id :</b>	170707
<b>Mouse Swiss Prot No :</b>	Q3V0C5
<b>Rat Gene Id :</b>	362636
<b>Rat Swiss Prot No :</b>	Q76LT8
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human USP48. AA range:631-680
<b>Specificity :</b>	USP48 Polyclonal Antibody detects endogenous levels of USP48 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 120kD

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**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],

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**Function :** catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,caution:Was named USP31 by some authors (PubMed:15354349 and PubMed:17081983).,function:Recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. May be involved in the regulation of NF-kappa-B activation by TNF receptor superfamily via its interactions with RELA and TRAF2. May also play a regulatory role at post-synaptic sites.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the peptidase C19 family.,similarity:Contains 1 ubiquitin-like domain.,similarity:Contains 3 DUSP domains.,subunit:Interacts with TRAF2 and RELA.,tissue specificity:Widely expressed.,

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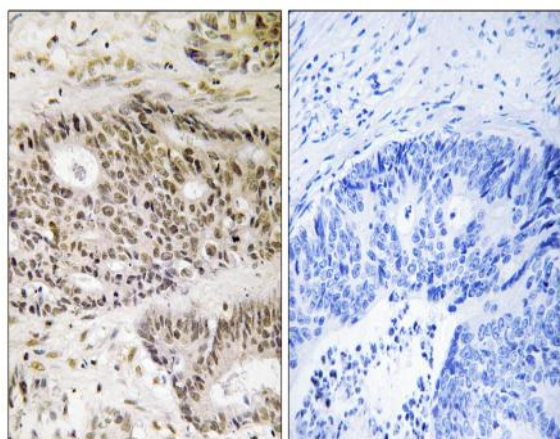
**Subcellular Location :** Cytoplasm . Nucleus .

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**Expression :** Widely expressed.

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using USP48 Antibody. The picture on the right is blocked with the synthesized peptide.