USP48 Monoclonal Antibody

Catalog No	YP-mAb-02841
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	USP48
Protein Name	Ubiquitin carboxyl-terminal hydrolase 48
Immunogen	The antiserum was produced against synthesized peptide derived from human USP48. AA range:631-680
Specificity	USP48 Monoclonal Antibody detects endogenous levels of USP48 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	USP48; USP31; Ubiquitin carboxyl-terminal hydrolase 48; Deubiquitinating enzyme 48; Ubiquitin thioesterase 48; Ubiquitin-specific-processing protease 48
Observed Band	120kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Widely expressed.
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 ubiquinated 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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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