



USP48 Polyclonal Antibody

Catalog No	YP-Ab-02841
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;WB;ELISA
Gene Name	USP48
Immunogen	The antiserum was produced against synthesized peptide derived from human USP48. AA range:631-680
Specificity	USP48 Polyclonal Antibody detects endogenous levels of USP48 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Deubiquitinating enzyme 48;EC:3.4.19.12;RAP1GA1;Ubiquitin carboxyl-terminal hydrolase 48;Ubiquitin thiolesterase 48;USP48;USP31;Ubiquitin thioesterase 48; Ubiquitin-specific-processing protease 48
Observed Band	120kD
Calculated Molecular Weight	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 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.,

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],

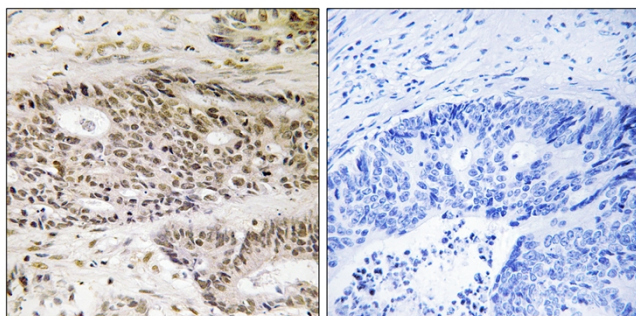
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.