

UBP18 rabbit pAb

Catalog No :	YT7591
Reactivity :	Human;Mouse
Applications :	WB
Target :	UBP18
Gene Name :	USP18 ISG43
Protein Name :	UBP18
Human Gene Id :	11274
Human Swiss Prot No :	Q9UMW8
Mouse Gene Id :	24110
Mouse Swiss Prot No :	Q9WTV6
Immunogen :	Synthesized peptide derived from human UB18 AA range: 66-116
Specificity :	This antibody detects endogenous levels of UB18 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 41kD

Background :

The protein encoded by this gene belongs to the ubiquitin-specific proteases (UBP) family of enzymes that cleave ubiquitin from ubiquitinated protein substrates. It is highly expressed in liver and thymus, and is localized to the nucleus. This protein efficiently cleaves only ISG15 (a ubiquitin-like protein) fusions, and deletion of this gene in mice results in a massive increase of ISG15 conjugates in tissues, indicating that this protein is a major ISG15-specific protease. Mice lacking this gene are also hypersensitive to interferon, suggesting a function of this protein in downregulating interferon responses, independent of its isopeptidase activity towards ISG15. [provided by RefSeq, Sep 2011],

Function :

catalytic activity:ISG15 C-terminal thiolester + H(2)O = ISG15 + a thiol.,catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,function:Can efficiently cleave only ISG15 fusions including native ISG15 conjugates linked via isopeptide bonds. Necessary to maintain a critical cellular balance of ISG15-conjugated proteins in both healthy and stressed organisms.,similarity:Belongs to the peptidase C19 family.,

Subcellular Location :

[Isoform 1]: Cytoplasm .; [Isoform 2]: Nucleus . Cytoplasm .

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