

## UBP18 rabbit pAb

<b>Catalog No :</b>	YT7591
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB
<b>Target :</b>	UBP18
<b>Gene Name :</b>	USP18 ISG43
<b>Protein Name :</b>	UBP18
<b>Human Gene Id :</b>	11274
<b>Human Swiss Prot No :</b>	Q9UMW8
<b>Mouse Gene Id :</b>	24110
<b>Mouse Swiss Prot No :</b>	Q9WTV6
<b>Immunogen :</b>	Synthesized peptide derived from human UB18 AA range: 66-116
<b>Specificity :</b>	This antibody detects endogenous levels of UB18 at Human/Mouse
<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
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-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 .

**Sort :** 23887

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

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