



UBP18 mouse mAb

Catalog No	YP-mAb-12225
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	USP18 ISG43
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	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1 :500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Observed Band	
Calculated Molecular Weight	41kD
Cell Pathway	[Isoform 1]: Cytoplasm .; [Isoform 2]: Nucleus . Cytoplasm .
Tissue Specificity	
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.,
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],

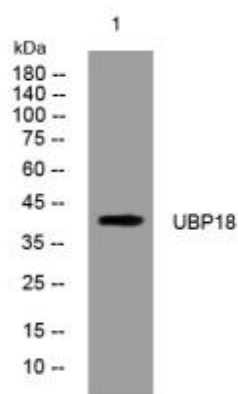
matters needing attention

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



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4° over night