



STABP mouse mAb

Catalog No	YP-mAb-12357
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STAMPB AMSH
Immunogen	Synthesized peptide derived from human STABP AA range: 109-159
Specificity	This antibody detects endogenous levels of STABP at Human/Mouse/Rat
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	AMSH;EC:3.4.19.-;Endosome-associated ubiquitin isopeptidase;STAM binding protein;STAM-binding protein;STABP;STAMPB AMSH
Observed Band	
Calculated Molecular Weight	47kD
Cell Pathway	Nucleus. Membrane; Peripheral membrane protein. Cytoplasm. Early endosome.
Tissue Specificity	Ubiquitously expressed.
Function	catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol., cofactor:Binds 2 zinc ion per subunit.,domain:The JAMM motif is essential for the protease activity.,enzyme regulation:Inhibited by N-ethylmaleimide., function:Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Functions at the endosome and is able to oppose the ubiquitin-dependent sorting of receptors to lysosomes. Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7.,miscellaneous:X-ray crystallography studies of STAMBPL1, another member of the peptidase M67C family, has shown that Glu-280 binds zinc indirectly via a water molecule. Nevertheless, thi



Background

Cytokine-mediated signal transduction in the JAK-STAT cascade requires the involvement of adaptor molecules. One such signal-transducing adaptor molecule contains an SH3 domain that is required for induction of MYC and cell growth. The protein encoded by this gene binds to the SH3 domain of the signal-transducing adaptor molecule, and plays a critical role in cytokine-mediated signaling for MYC induction and cell cycle progression. Multiple alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. [provided by RefSeq, Jul 2008],

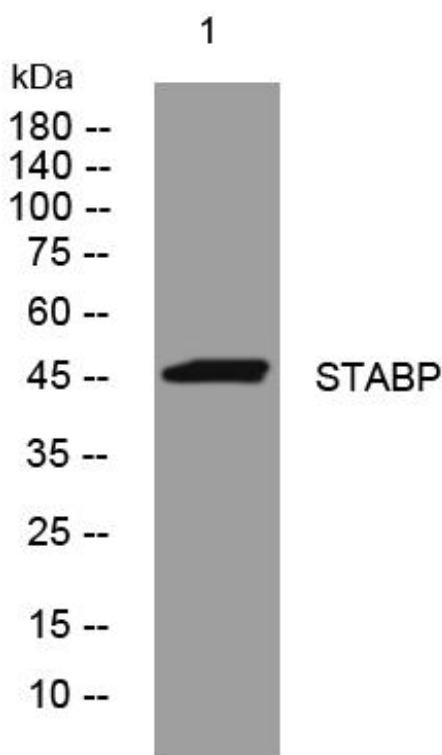
matters needing attention

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



Western Blot analysis of various cells using STABP mouse mAb