



UBXN4 Monoclonal Antibody

Catalog No	YP-mAb-06372
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	UBXN4 KIAA0242 UBXD2 UBXDC1
Protein Name	UBX domain-containing protein 4 (Erasin) (UBX domain-containing protein 2)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UBXN4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	
Observed Band	55kD
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Nucleus envelope . Both the N- and the C-terminus face the cytosol. Also found in the nucleus envelope contiguous to the ER. .
Tissue Specificity	Expressed in many tissues, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Accumulates in Alzheimer disease-afflicted brains (at protein level).
Function	domain:The transmembrane domain also contains the signal for ER targeting.,domain:The UBX domain is required for interaction with VCP.,function:Involved in endoplasmic reticulum-associated protein degradation (ERAD).,induction:By ER stress-inducing reagents, such as tunicamycin, thapsigargin, DTT and the calcium ionophore A23187 (at protein level).,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 UBX domain.,subcellular location:Both the N- and the C-terminus face the cytosol; also found in the nucleus envelope contiguous to the ER.,subunit:Directly interacts with VCP.,tissue specificity:Expressed in many tissues, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Accumulates in Alzheimer disease-afflicted brains (at protein level).,

**Background**

UBXD2 is an integral membrane protein of the endoplasmic reticulum (ER) that binds valosin-containing protein (VCP; MIM 601023) and promotes ER-associated protein degradation (ERAD) (Liang et al., 2006 [PubMed 16968747]).[supplied by OMIM, Mar 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