



UBXN4 Polyclonal Antibody

Catalog No	YP-Ab-06372
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	UBXN4 KIAA0242 UBXD2 UBXDC1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UBXN4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	erasin;KIAA0242;KIAA2042;UBX domain protein 4;UBXD2;UBXDC1;UBXN4;UBXN4 KIAA0242 UBXD2 UBXDC1;UBX domain-containing protein 4 (Erasin) (UBX domain-containing protein 2)
Observed Band	64-68 kDa
Calculated Molecular Weight	508 aa, 57 kDa
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