



UBA6 Polyclonal Antibody

Catalog No	YP-Ab-06353
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	UBA6 MOP4 UBE1L2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UBA6 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	MOP4;MOP 4;Monocyte protein 4;EC:6.2.1.45;E1-L2;UBA6;UBA6 MOP4 UBE1L2;Ubiquitin-like modifier-activating enzyme 6 (Ubiquitin-activating enzyme 6) (Monocyte protein 4) (MOP-4) (Ubiquitin-activating enzyme E1-like protein 2) (E1-L2)
Observed Band	118 kDa
Calculated Molecular Weight	1052 aa, 118 kDa
Cell Pathway	cytoplasm,cytosol,integral component of membrane,
Tissue Specificity	Widely expressed. Isoform 2 is predominantly expressed in testis with higher expression in adult testis than in fetal testis.
Function	alternative products:Named isoforms=3,function:Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding an ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34. Isoform 2 may play a key role in ubiquitin system and may influence spermatogenesis and male fertility.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the ubiquitin-activating E1 family.,tissue specificity:Widely expressed. Isoform 2 is predominantly



expressed in testis with higher expression in adult testis than in fetal testis.,

Background

Modification of proteins with ubiquitin (UBB; MIM 191339) or ubiquitin-like proteins controls many signaling networks and requires a ubiquitin-activating enzyme (E1), a ubiquitin conjugating enzyme (E2), and a ubiquitin protein ligase (E3). UBE1L2 is an E1 enzyme that initiates the activation and conjugation of ubiquitin-like proteins (Jin et al., 2007 [PubMed 17597759]).[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