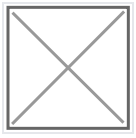
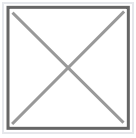
UBA6 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	UBA6, Monoclonal Antibody
Full Product Name	UBA6 (Ubiquitin-like Modifier-activating Enzyme 6, Ubiquitin Activating Enzyme 6, E1-L2, FLJ10808, FLJ23367, Monocyte Protein 4, MOP4, MOP-4, Ubiquitin-activating Enzyme E1-like Protein 2, UBE1L2, FLJ10808, FLJ23367, MOP-4, UBE1L2) (AP)
Product Gene Name	anti-UBA6 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1D11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FLJ10808.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	37,693 Da
OMIM	611361
3D Structure	ModBase 3D Structure for A0AVT1
Immunogen	Partial recombinant corresponding to aa962-1052 from human FLJ10808 (NP_060697) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GKEDFTLLDFINAVKEKYGIEPTMVVQGVKMLYVPVMPGHAKRLKLTMHKLVKPTTEKKYVDLTVSFAPDIDGDEDLPGPPVRYYFSHDT
Conjugate	AP
Product Categories/Family for anti-UBA6 antibody	Antibodies; Ubiquitin
Applications Tested/Suitable for anti-UBA6 antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-UBA6 antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-UBA6 antibody	MBS6131315 is an antibody targeting UBA6. Also known as UBA6 (Ubiquitin-like Modifier-activating Enzyme 6, Ubiquitin Activating Enzyme 6, E1-L2, FLJ10808, FLJ23367, Monocyte Protein 4, MOP4, MOP-4, Ubiquitin-activating Enzyme E1-like Protein 2, UBE1L2, FLJ10808, FLJ23367, MOP-4, UBE1L2) (AP). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-UBA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-UBA6 antibody
Western Blot detection against Immunogen (36.01kD).



Immunohistochemistry (IHC) of anti-UBA6 antibody
Immunoperoxidase of monoclonal antibody to UBA6 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3ug/ml].



Testing Data of anti-UBA6 antibody
Detection limit for recombinant GST tagged UBA6 is 1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBA6. It may not necessarily be applicable to this product.

NCBI GI #	150417996
NCBI GeneID	55236
NCBI Accession #	NP_060697
UniProt Primary Accession #	A0AVT1
UniProt Secondary Accession #	Q4W5K0; Q6UV21; Q86T78; Q86TC7; Q8N5T3; Q8N9E4; Q9H3T7; Q9NVC9; A6N8M7; B2RAV3
UniProt Related Accession #	A0AVT1
GenBank Nucleotide #	NM_018227
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme 6
NCBI Official Synonym Full Names	ubiquitin-like modifier activating enzyme 6
NCBI Official Symbol	UBA6
NCBI Official Synonym Symbols	E1-L2; MOP-4; UBE1L2
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 6
UniProt Synonym Protein Names	Monocyte protein 4; MOP-4; Ubiquitin-activating enzyme E1-like protein 2; E1-L2
Protein Family	Ubiquitin-like modifier-activating enzyme
UniProt Gene Name	UBA6
UniProt Synonym Gene Names	MOP4; UBE1L2; Ubiquitin-activating enzyme 6; MOP-4; E1-L2
UniProt Entry Name	UBA6_HUMAN
NCBI Protein Information	ubiquitin-like modifier-activating enzyme 6; UBA6, ubiquitin-activating enzyme E1; monocyte protein 4; ubiquitin-activating enzyme 6; ubiquitin-activating enzyme E1-like 2; ubiquitin-activating enzyme E1-like protein 2

UniProt Comments for UBA6	UBE1L2: 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. Essential for embryonic development. Required for UBD/FAT10 conjugation. Isoform 2 may play a key role in ubiquitin system and may influence spermatogenesis and male fertility. Belongs to the ubiquitin-activating E1 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin ligase; EC 6.3.2.19; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 4q13.2 Cellular Component: cytoplasm; cytosol Molecular Function: protein binding; FAT10 activating enzyme activity; ATP binding Biological Process: ubiquitin-dependent protein catabolic process; protein ubiquitination
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