10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE1L2 / UBE1L2 Antibody (aa300-350)

Rabbit Polyclonal Antibody
Catalog # ALS11945

Specification

UBE1L2 / UBE1L2 Antibody (aa300-350) - Product Information

Application	**IHC**
Primary Accession	A0AVT1
Reactivity	**Human, Mouse, Rat, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**118kDa KDa**

UBE1L2 / UBE1L2 Antibody (aa300-350) - Additional Information

Gene ID 55236

Other Names
Ubiquitin-like modifier-activating enzyme 6, Ubiquitin-activating enzyme 6, Monocyte protein 4, MOP-4, Ubiquitin-activating enzyme E1-like protein 2, E1-L2, UBA6, MOP4, UBE1L2

Target/Specificity
A portion of amino acids 300-350 of human UBE1L2/MOP-4

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
UBE1L2 / UBE1L2 Antibody (aa300-350) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE1L2 / UBE1L2 Antibody (aa300-350) - Protein Information

Name UBA6

Synonyms MOP4, UBE1L2

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 a 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.

Tissue Location
Widely expressed. Isoform 2 is predominantly expressed in testis with higher expression in adult testis than in fetal testis.

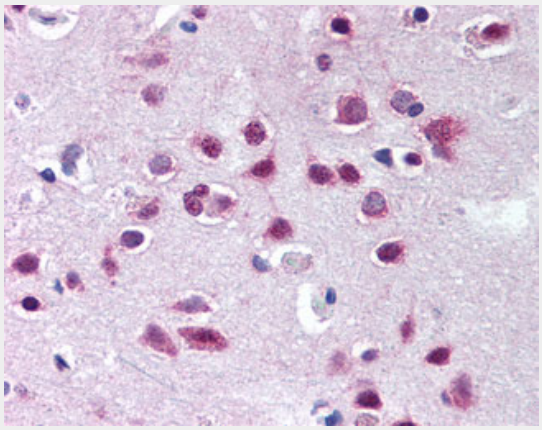
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UBE1L2 / UBE1L2 Antibody (aa300-350) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE1L2 / UBE1L2 Antibody (aa300-350) - Images



Anti-UBA6 antibody IHC of human brain, cortex.

UBE1L2 / UBE1L2 Antibody (aa300-350) - Background

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UBE1L2 / UBE1L2 Antibody (aa300-350) - References

Zhu H.,et al.Acta Biochim. Biophys. Sin. 36:227-234(2004).
Jin J.,et al.Nature 447:1135-1138(2007).
Takayama K.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).