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UBXN6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5085b

Specification

UBXN6 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9BZV1

UBXN6 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 80700

Other Names
UBX domain-containing protein 6, UBX domain-containing protein 1, UBXN6, UBXD1, UBXDC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UBXN6 Antibody (C-term) Blocking Peptide - Protein Information

Name UBXN6 (HGNC:14928)

Function
May negatively regulate the ATPase activity of VCP, an ATP- driven segregase that associates with different cofactors to control a wide variety of cellular processes (PubMed:26475856). As a cofactor of VCP, it may play a role in the transport of CAV1 to lysosomes for degradation (PubMed:21822278, PubMed:23335559). It may also play a role in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins (PubMed:19275885). Together with VCP and other cofactors, it may play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622).

Cellular Location
Cytoplasm. Cytoplasm, cytosol. Membrane; Peripheral membrane protein. Nucleus Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Early endosome membrane; Peripheral membrane protein. Late endosome membrane; Peripheral membrane protein. Lysosome membrane; Peripheral membrane protein. Note=Localizes at the centrosome both in interphase and during mitosis (PubMed:18656546). May be recruited to endosomal and lysosomal

membranes as part of a ternary complex with CAV1 and VCP (PubMed:21822278). Recruited to damaged lysosomes decorated with K48-linked ubiquitin chains (PubMed:27753622)

Tissue Location
Enhanced expression in testis.

UBXN6 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

UBXN6 Antibody (C-term) Blocking Peptide - Images

UBXN6 Antibody (C-term) Blocking Peptide - Background

UBXN6 acts in a complex with VCP and cooperates with USP7 in promoting MDM2 deubiquitination and stabilization. UBXN6 is MDM2 stabilization leads to MDM2-dependent TP53 degradation.

UBXN6 Antibody (C-term) Blocking Peptide - References

Nagahama, M., et al. Biochem. Biophys. Res. Commun. 382(2):303-308(2009)Kern, M., et al. Biochem. Biophys. Res. Commun. 380(2):303-307(2009)Madsen, L., et al. Int. J. Biochem. Cell Biol. 40(12):2927-2942(2008)