

YOD1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11304b**Specification**

YOD1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q5VVQ6](#)**YOD1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 55432**Other Names**

Ubiquitin thioesterase OTU1, DUBA-8, HIV-1-induced protease 7, HIN-7, HsHIN7, OTU domain-containing protein 2, YOD1, DUBA8, HIN7, OTUD2

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.

YOD1 Antibody (C-term) Blocking peptide - Protein Information**Name** YOD1**Synonyms** DUBA8, HIN7, OTUD2**Function**

Hydrolase that can remove conjugated ubiquitin from proteins and participates in endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal proteins. May act by trimming the ubiquitin chain on the associated substrate to facilitate their threading through the VCP/p97 pore. Ubiquitin moieties on substrates may present a steric impediment to the threading process when the substrate is transferred to the VCP pore and threaded through VCP's axial channel. Mediates deubiquitination of 'Lys-27'-, 'Lys-29'- and 'Lys-33'-linked polyubiquitin chains. Also able to hydrolyze 'Lys-11'-linked ubiquitin chains. Cleaves both polyubiquitin and di-ubiquitin. May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes. May recruit PLAA, UBXN6 and VCP to damaged lysosome membranes decorated with K48-linked ubiquitin chains and remove these chains allowing autophagosome formation (PubMed:27753622).

Cellular Location

Cytoplasm. Note=Recruited to damaged lysosomes decorated with K48-linked ubiquitin chains.

YOD1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

YOD1 Antibody (C-term) Blocking peptide - Images**YOD1 Antibody (C-term) Blocking peptide - Background**

Deubiquitinating enzymes (DUBs; see MIM 603478) are proteases that specifically cleave ubiquitin (MIM 191339) linkages, negating the action of ubiquitin ligases. DUBA8 belongs to a DUB subfamily characterized by an ovarian tumor (OTU) domain. [supplied by OMIM].

YOD1 Antibody (C-term) Blocking peptide - References

Ernst, R., et al. Mol. Cell 36(1):28-38(2009)