

MID2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13639b**Specification**

MID2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O9UJV3](#)**MID2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 11043**Other Names**

Probable E3 ubiquitin-protein ligase MID2, 632-, Midin-2, Midline defect 2, Midline-2, RING finger protein 60, Tripartite motif-containing protein 1, MID2, FXY2, RNF60, TRIM1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13639b was selected from the C-term region of MID2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MID2 Antibody (C-term) Blocking peptide - Protein Information**Name** MID2**Synonyms** FXY2, RNF60, TRIM1**Function**

E3 ubiquitin ligase that plays a role in microtubule stabilization. Mediates the 'Lys-48'-linked polyubiquitination of LRRK2 to drive its localization to microtubules and its proteasomal degradation in neurons. This ubiquitination inhibits LRRK2 kinase activation by RAB29 (PubMed:35266954).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton Note=Microtubule-associated.

Tissue Location

Low level in fetal kidney and lung, and in adult prostate, ovary and small intestine

MID2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MID2 Antibody (C-term) Blocking peptide - Images

MID2 Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms.

MID2 Antibody (C-term) Blocking peptide - References

Lim, J., et al. Cell 125(4):801-814(2006) Jehee, F.S., et al. Am. J. Med. Genet. A 139(3):221-226(2005) Yap, M.W., et al. Proc. Natl. Acad. Sci. U.S.A. 101(29):10786-10791(2004) Short, K.M., et al. BMC Cell Biol. 3, 1 (2002) :Reymond, A., et al. EMBO J. 20(9):2140-2151(2001)