

MKLN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18794c**Specification**

MKLN1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UL63](#)**MKLN1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4289**Other Names**

Muskelin, MKLN1

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.

MKLN1 Antibody (Center) Blocking Peptide - Protein Information**Name** MKLN1**Function**

Component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (PubMed:29911972). Required for internalization of the GABA receptor GABRA1 from the cell membrane via endosomes and subsequent GABRA1 degradation (By similarity). Acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component THBS1 (PubMed:18710924).

Cellular Location

Cytoplasm. Cytoplasm, cytosol {ECO:0000250|UniProtKB:O89050}. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:O89050}. Cell projection, ruffle {ECO:0000250|UniProtKB:O89050}. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:O89050}. Synapse {ECO:0000250|UniProtKB:O89050} Postsynapse {ECO:0000250|UniProtKB:O89050}. Note=Colocalizes with GABRA1 at synapses and in postsynaptic regions. Colocalizes with actin fibers in the cell cortex. {ECO:0000250|UniProtKB:O89050}

MKLN1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MKLN1 Antibody (Center) Blocking Peptide - Images

MKLN1 Antibody (Center) Blocking Peptide - Background

Muskelin is an intracellular protein that acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component thrombospondin I (MIM 188060) (Adamset al., 1998 [PubMed 9724633]).

MKLN1 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Shyn, S.I., et al. Mol. Psychiatry (2009) In press
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396(2):236-247(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :