

MKLN1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18794c**Specification**

MKLN1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9UL63
Other Accession	O99PV3 , O89050 , NP_001138826.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	84768
Antigen Region	300-326

MKLN1 Antibody (Center) - Additional Information**Gene ID** 4289**Other Names**

Muskelin, MKLN1

Target/Specificity

This MKLN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-326 amino acids from the Central region of human MKLN1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MKLN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MKLN1 Antibody (Center) - 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

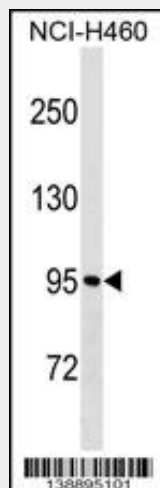
Cytoplasm. Cytoplasm, cytosol {ECO:0000250|UniProtKB:O89050}. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:O89050}. Cell projection, ruffle {ECO:0000250|UniProtKB:O89050}. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:O89050}. Synapse {ECO:0000250|UniProtKB:O89050}. Postsynapse {ECO:0000250|UniProtKB:O89050}. 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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MKLN1 Antibody (Center) - Images



MKLN1 Antibody (Center)(Cat. #AP18794c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MKLN1 antibody detected the MKLN1 protein (arrow).

MKLN1 Antibody (Center) - 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) (Adams et al., 1998 [PubMed 9724633]).

MKLN1 Antibody (Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Shyn, S.I., et al. Mol. Psychiatry (2009) In press :
Valiyaveetil, M., et al. J. Cell Biol. 182(4):727-739(2008)
Kobayashi, N., et al. Gene 396(2):236-247(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :