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PLEKHM2 / SKIP Antibody (C-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS13787

Specification

PLEKHM2 / SKIP Antibody (C-Terminus) - Product Information

Application	**IF, WB, IHC**
Primary Accession	Q8IWE5
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**113kDa KDa**

PLEKHM2 / SKIP Antibody (C-Terminus) - Additional Information

Gene ID 23207

Other Names
Pleckstrin homology domain-containing family M member 2, PH domain-containing family M member 2, Salmonella-induced filaments A and kinesin-interacting protein, SifA and kinesin-interacting protein, PLEKHM2, KIAA0842, SKIP

Target/Specificity
Human PLEKHM2

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
PLEKHM2 / SKIP Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PLEKHM2 / SKIP Antibody (C-Terminus) - Protein Information

Name PLEKHM2 (HGNC:29131)

Function
Plays a role in lysosomes movement and localization at the cell periphery acting as an effector of ARL8B. Required for ARL8B to exert its effects on lysosome location, recruits kinesin-1 to lysosomes and hence direct their movement toward microtubule plus ends. Binding to ARL8B provides a link from lysosomal membranes to plus-end-directed motility (PubMed:28325809, PubMed:22172677, PubMed:25898167, PubMed:24088571). Critical factor involved in NK cell-mediated cytotoxicity. Drives the polarization of cytolytic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells (PubMed:<a href="http://www.uniprot.org/citations/24088571"

target="_blank">24088571). Required for maintenance of the Golgi apparatus organization (PubMed:22172677). May play a role in membrane tubulation (PubMed:15905402).

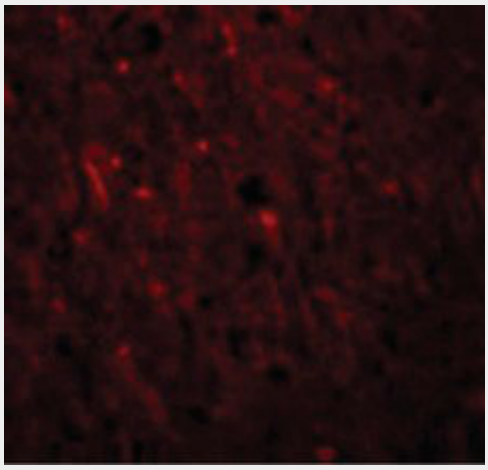
Cellular Location
Cytoplasm. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side

PLEKHM2 / SKIP Antibody (C-Terminus) - Protocols

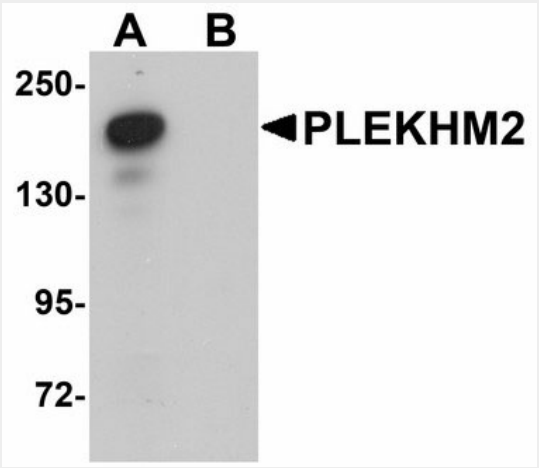
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PLEKHM2 / SKIP Antibody (C-Terminus) - Images

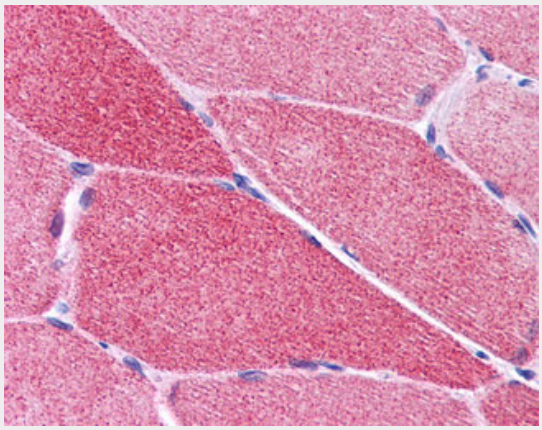


Immunofluorescence of PLEKHM2 in Human Brain cells with PLEKHM2 antibody at 20 ug/ml.



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Western blot of PLEKHM2 in rat brain tissue lysate with PLEKHM2 antibody at 0.5 ug/ml in (A) the...



Anti-PLEKHM2 antibody IHC of human skeletal muscle.

PLEKHM2 / SKIP Antibody (C-Terminus) - Background

May play a role in the regulation of conventional kinesin activity. Required for maintenance of the Golgi apparatus organization. May play a role in membrane tubulation.

PLEKHM2 / SKIP Antibody (C-Terminus) - References

Nagase T.,et al.DNA Res. 5:355-364(1998).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Boucrot E.,et al.Science 308:1174-1178(2005).