

DOCK8 Rabbit mAb

Catalog # AP75370

Specification

DOCK8 Rabbit mAb - Product Information

Application WB, ICC
Primary Accession
Reactivity Human
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 238529

DOCK8 Rabbit mAb - Additional Information

Gene ID 81704

Other Names DOCK8

Dilution WB~~1/500-1/1000 ICC~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

DOCK8 Rabbit mAb - Protein Information

Name DOCK8

Function

Guanine nucleotide exchange factor (GEF) which specifically activates small GTPase CDC42 by exchanging bound GDP for free GTP (PubMed:22461490, PubMed:28028151). During immune responses, required for interstitial dendritic cell (DC) migration by locally activating CDC42 at the leading edge membrane of DC (By similarity). Required for CD4(+) T-cell migration in response to chemokine stimulation by promoting CDC42 activation at T cell leading edge membrane (PubMed:<a href="http://www.uniprot.org/citations/28028151"

target="_blank">28028151). Is involved in NK cell cytotoxicity by controlling polarization of microtubule-organizing center (MTOC), and possibly regulating CCDC88B-mediated lytic granule transport to MTOC during cell killing (PubMed:25762780).

Cellular Location





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Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium membrane; Peripheral membrane protein; Cytoplasmic side. Note=Enriched and co-localizes with GTPase CDC42 at the immunological synapse formed during T cell/antigen presenting cell cognate interaction. Translocates from the cytoplasm to the plasma membrane in response to chemokine CXCL12/SDF-1-alpha stimulation

Tissue Location

Expressed in peripheral blood mononuclear cells (PBMCs).

DOCK8 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

DOCK8 Rabbit mAb - Images

