10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DOCK8 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21948b

Specification

DOCK8 Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	Q8NF50
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**238529**

DOCK8 Antibody (C-Term) - Additional Information

Gene ID 81704

Other Names
Dedicator of cytokinesis protein 8, DOCK8

Target/Specificity
This DOCK8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2056-2090 amino acids from the human region of human DOCK8.

Dilution
WB~~1:2000
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
DOCK8 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

DOCK8 Antibody (C-Term) - 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: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
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

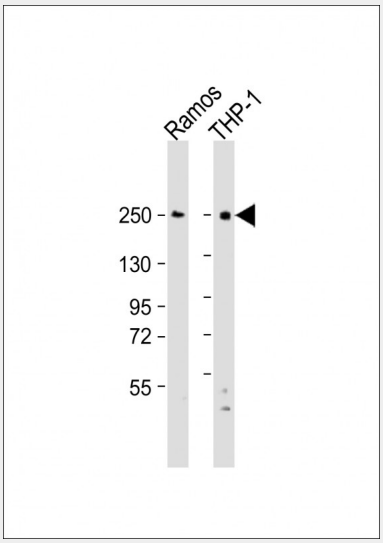
Tissue Location
Expressed in peripheral blood mononuclear cells (PBMCs).

DOCK8 Antibody (C-Term) - 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

DOCK8 Antibody (C-Term) - Images



All lanes : Anti-DOCK8 Antibody (C-Term) at 1:2000 dilution Lane 1: Ramos whole cell lysate Lane 2: THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 239 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DOCK8 Antibody (C-Term) - Background

Potential guanine nucleotide exchange factor (GEF). GEF proteins activate some small GTPases by exchanging bound GDP for free GTP (By similarity).

DOCK8 Antibody (C-Term) - References

Takahashi K.,et al.Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Jikuya H.,et al.DNA Res. 10:49-57(2003).
Jikuya H.,et al.Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.