DOCK2 Rabbit pAb

Catalog NO.: A3595 2 Publications

Basic Information

Observed MW
240kDa

Calculated MW
212kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IP, ELISA

Cross-Reactivity
Human, Mouse

Conjugation
Unconjugated

Background

The protein encoded by this gene belongs to the CDM protein family. It is specifically expressed in hematopoietic cells and is predominantly expressed in peripheral blood leukocytes. The protein is involved in remodeling of the actin cytoskeleton required for lymphocyte migration in response to chemokine signaling. It activates members of the Rho family of GTPases, for example RAC1 and RAC2, by acting as a guanine nucleotide exchange factor (GEF) to exchange bound GDP for free GTP. Mutations in this gene result in immunodeficiency 40 (IMD40), a combined form of immunodeficiency that affects T cell number and function, also with variable defects in B cell and NK cell function.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1794

Swiss Prot
Q92608

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
IMD40; DOCK2

Contact

Product Information

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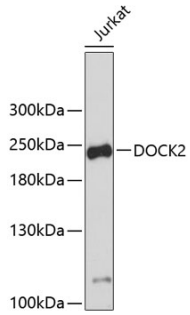
Source
Rabbit

Isotype
IgG

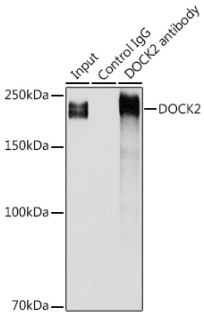
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

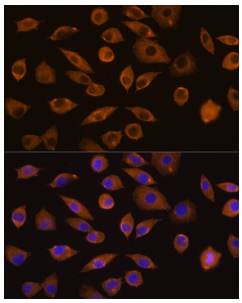
Validation Data



Western blot analysis of lysates from Jurkat cells, using DOCK2 Rabbit pAb (A3595).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg DOCK2 antibody (A3595). Western blot was performed from the immunoprecipitate using DOCK2 antibody (A3595) at a dilution of 1:500.



Immunofluorescence analysis of L929 cells using DOCK2 Rabbit pAb (A3595) at dilution of 1:100 (40x lens).
Secondary antibody: Cy3-conjugated Goat anti-Rabbit

IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.