

Rabbit anti-Human DOCK2 Polyclonal Antibody | anti-DOCK2 antibody

DOCK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327485	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

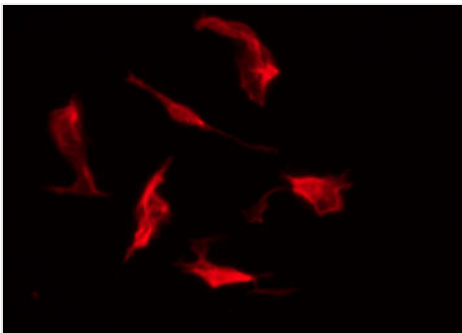
PRODUCT SYNONYMS

DOCK2; Polyclonal Antibody; DOCK2 Antibody; Dedicator of cyto kinesis 2; Dedicator of cytokinesis 2; Dedicator of cytokinesis protein 2; DOCK 2; FLJ46592; KIAA0209; anti-DOCK2 antibody

PRODUCT SPECIFICATIONS

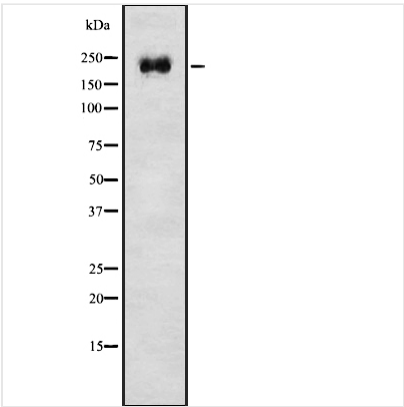
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	DOCK2 antibody detects endogenous levels of total DOCK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1830
Applicable Applications for anti-DOCK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DOCK2
Subcellular Location	Intracytoplasmic Membrane. Peripheral Membrane Protein. Note=Colocalizes with F-actin.
Tissue Specificity	Specifically expressed in hematopoietic cells. Highly expressed in peripheral blood leukocytes, and expressed at intermediate level in thymus and spleen. Expressed at very low level in the small intestine and colon.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327485 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of DOCK2 using HepG2 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-DOCK2 antibody

Function: Involved in cytoskeletal rearrangements required for lymphocyte migration in response of chemokines. Activates RAC1 and RAC2, but not CDC42, by functioning as a guanine nucleotide exchange factor (GEF), which exchanges bound GDP for free GTP. May also participate in IL2 transcriptional activation via the activation of RAC2. Subunit Structure: Homodimer (Probable). Interacts with RAC1 and RAC2. Interacts with CRKL and VAV. Interacts with CD3Z. Similarity: The DHR-2 domain may mediate the GEF activity. Belongs to the DOCK family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31377468
NCBI GeneID	1794
NCBI Accession #	NP_004937.1
NCBI GenBank Nucleotide #	NM_004946.3
UniProt Accession #	Q92608; Q2M3I0; Q96AK7
Molecular Weight	Observed: 212 kDa Predicted: 212 kDa
NCBI Official Full Name	dedicator of cytokinesis protein 2
NCBI Official Synonym Full Names	dedicator of cytokinesis 2
NCBI Official Symbol	DOCK2
NCBI Official Synonym Symbols	IMD40
NCBI Protein Information	dedicator of cytokinesis protein 2
UniProt Protein Name	Dedicator of cytokinesis protein 2
UniProt Gene Name	DOCK2
UniProt Synonym Gene Names	KIAA0209

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.