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DOCK2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5432

Product Information

Application	WB
Primary Accession	Q92608
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	211948
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	1794
Antigen Region	1812-1846
Other Names	Dedicator of cytokinesis protein 2, DOCK2, KIAA0209
Dilution	WB~~1:1000
Target/Specificity	This DOCK2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1812-1846 amino acids from the C-terminal region of human DOCK2.
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	DOCK2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DOCK2
Synonyms	KIAA0209
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.
Cellular Location	Endomembrane system; Peripheral membrane protein. Cytoplasm, cytoskeleton. Note=Colocalizes with F-actin
Tissue Location	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.

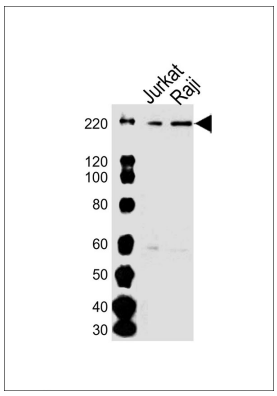
Background

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.

References

Nagase T.,et al.DNA Res. 3:321-329(1996).
Nishihara H.,et al.Biochim. Biophys. Acta 1452:179-187(1999).
Nishihara H.,et al.Blood 100:3968-3974(2002).
Nishihara H.,et al.Biochem. Biophys. Res. Commun. 296:716-720(2002).
Cote J.-F.,et al.J. Cell Sci. 115:4901-4913(2002).

Images



All lanes : Anti-DOCK2 Antibody (C-term) at 1:1000 dilution Lane 1: Jurkat whole cell lysates Lane 2: Raji whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 212 kDa Blocking/Dilution buffer: 5% NFDM/TBST.