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Anti-DOCK2 Antibody

Catalog # AP61210

Product Information

Application	WB, IHC
Primary Accession	Q92608
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	211948

Additional Information

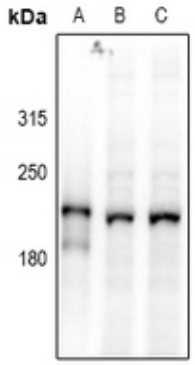
Gene ID	1794
Other Names	KIAA0209; Dedicator of cytokinesis protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DOCK2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

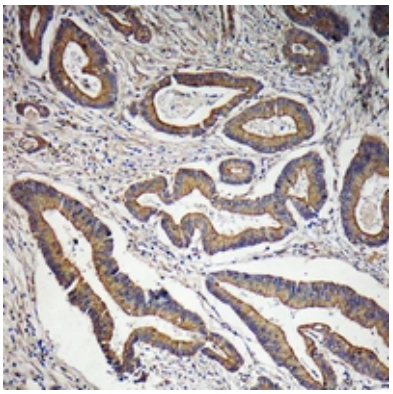
Name	DOCK2
Synonyms	KIAA0209
Function	Guanine nucleotide exchange factor (GEF) that activates monomeric GTPases by catalysing the release of bound GDP in exchange for free GTP (PubMed:32651375). Activates RAC1 and RAC2, but not CDC42 (PubMed:21613211, PubMed:32651375). Involved in cytoskeletal rearrangements required for lymphocyte migration in response of chemokines (PubMed:21613211). May also participate in IL2 transcriptional activation via the activation of RAC2 (PubMed:21613211).
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.

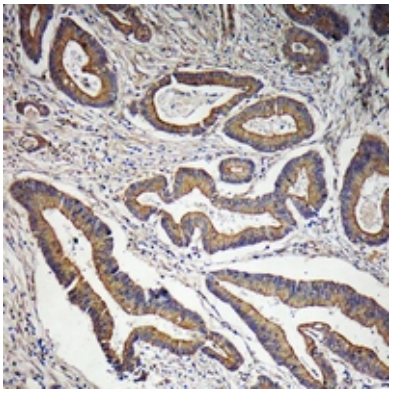
Images



Western blot analysis of DOCK2 expression in rat thymus (A), Myla2059 (B), K562 (C) whole cell lysates. (Predicted band size: 211 kD; Observed band size: 212 kD)



Immunohistochemical analysis of DOCK2 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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