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

Anti-DOCK1 Antibody

Catalog # AP54039

Product Information

Application	WB
Primary Accession	Q14185
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	215346

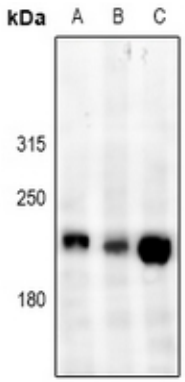
Additional Information

Gene ID	1793
Other Names	Dedicator of cytokinesis protein 1; 180 kDa protein downstream of CRK; DOCK180
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DOCK1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
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	DOCK1
Function	Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Along with DOCK1, mediates CRK/CRKL regulation of epithelial and endothelial cell spreading and migration on type IV collagen (PubMed:19004829). Functions as a guanine nucleotide exchange factor (GEF), which activates Rac Rho small GTPases by exchanging bound GDP for free GTP. Its GEF activity may be enhanced by ELMO1 (PubMed:8657152).
Cellular Location	Cytoplasm. Membrane. Note=Recruited to membranes via its interaction with phosphatidylinositol 3,4,5-trisphosphate.
Tissue Location	Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon

Images



Western blot analysis of DOCK1 expression in MCF7 (A), H1792 (B), C6 (C) whole cell lysates. (Predicted band size: 215 kD; Observed band size: 215 kD)