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DOCK1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58600

Specification

DOCK1 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, E**
Primary Accession	Q14185
Reactivity	**Rat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**215 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human DOCK1**
Epitope Specificity	**465-550/1865**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm (Probable). Membrane (Probable). Note=Recruited to membranes via its interaction with phosphatidylinositol 3,4,5-trisphosphate (Probable).**
SIMILARITY	**Belongs to the DOCK family. Contains 1 DHR-1 domain. Contains 1 DHR-2 domain. Contains 1 SH3 domain.**
SUBUNIT	**Interacts with the SH3 domains of CRK and NCK2 via multiple sites. Interacts with nucleotide-free RAC1 via its DHR-2 domain. Interacts with ELMO1, ELMO2 and probably ELMO3 via its SH3 domain. Interacts with RAC1 and BAI1.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. 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. Tissue specificity: Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.

DOCK1 Polyclonal Antibody - Additional Information

Gene ID 1793

Other Names

Dedicator of cytokinesis protein 1, 180 kDa protein downstream of CRK, DOCK180, DOCK1

Target/Specificity
Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

DOCK1 Polyclonal Antibody - 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

DOCK1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DOCK1 Polyclonal Antibody - Images

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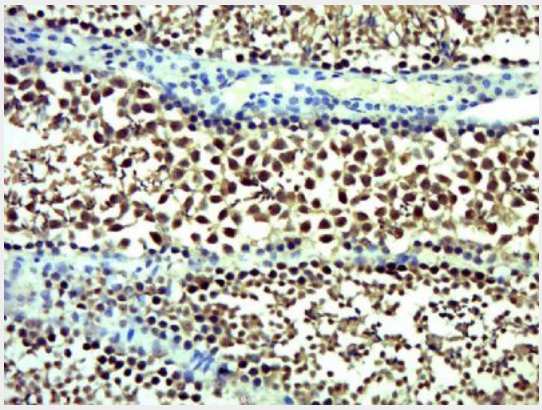

Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DOCK1) Polyclonal Antibody, Unconjugated (bs-7110R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.