

Goat Anti-DOCK1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1334a**Specification**

Goat Anti-DOCK1 Antibody - Product Information

Application	WB
Primary Accession	Q14185
Other Accession	NP_001371 , 1793 , 330662 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	215346

Goat Anti-DOCK1 Antibody - Additional Information**Gene ID** 1793**Other Names**

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DOCK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DOCK1 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

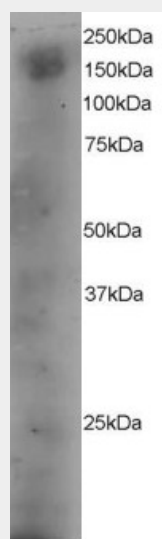
Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon

Goat Anti-DOCK1 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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-DOCK1 Antibody - Images



AF1334a staining (4 µg/ml) of A431 lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.

Goat Anti-DOCK1 Antibody - Background

This gene product binds to the SH3 domain of CRK protein. It may regulate cell surface extension and may have a role in the cell surface extension of an engulfing cell around a dying cell during apoptosis.

Goat Anti-DOCK1 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success

genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

The role of Crk/Dock180/Rac1 pathway in the malignant behavior of human ovarian cancer cell SKOV3. Wang H, et al. Tumour Biol, 2010 Jan. PMID 20237902.

Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315.

GRASP and IPCEF promote ARF-to-Rac signaling and cell migration by coordinating the association of ARNO/cytohesin 2 with Dock180. White DT, et al. Mol Biol Cell, 2010 Feb 15. PMID 20016009.

Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296.