

DOCK1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6697b**Specification**

DOCK1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q14185](#)**DOCK1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1793**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6697b](/products/AP6697b) was selected from the C-term region of human DOCK1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DOCK1 Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DOCK1 Antibody (C-term) Blocking Peptide - Images**DOCK1 Antibody (C-term) Blocking Peptide - Background**

DOCK1 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.

DOCK1 Antibody (C-term) Blocking Peptide - References

Komander,D., Mol. Biol. Cell 19 (11), 4837-4851 (2008)Smith,H.W., J. Cell Biol. 182 (4), 777-790 (2008)