

Rabbit anti-Human, Rat DOCK4 Polyclonal Antibody | anti-DOCK4 antibody

Anti-DOCK4 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126444	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

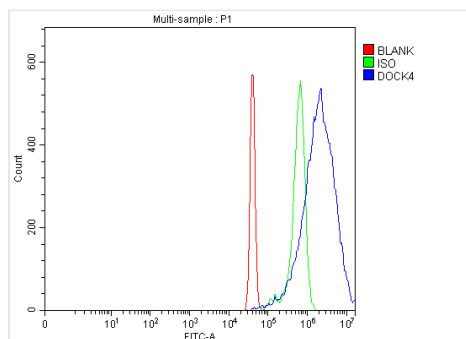
PRODUCT SYNONYMS

DOCK4; Polyclonal Antibody; Anti-DOCK4 Antibody Picoband; anti-DOCK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DOCK4 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human DOCK4 recombinant protein (Position: K191-I1837).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



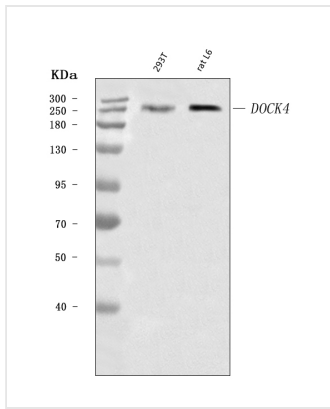
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SiHa cells using anti-DOCK4 antibody (AAA126444). Overlay histogram showing SiHa cells stained with AAA126444 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DOCK4 Antibody (AAA126444, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of DOCK4 using anti-DOCK4 antibody (AAA126444). DOCK4 was detected in a paraffin-embedded section of human skeletal muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DOCK4 Antibody (AAA126444) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of DOCK4 using anti-DOCK4 antibody (AAA126444). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: rat L6 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DOCK4 antigen affinity purified polyclonal antibody (#AAA126444) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DOCK4 at approximately 250 kDa. The expected band size for DOCK4 is at 225 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DOCK4 antibody	This gene is a member of the dedicator of cytokinesis (DOCK) family and encodes a protein with a DHR-1 (CZH-1) domain, a DHR-2 (CZH-2) domain and an SH3 domain. This membrane-associated, cytoplasmic protein functions as a guanine nucleotide exchange factor and is involved in regulation of adherens junctions between cells. Mutations in this gene have been associated with ovarian, prostate, glioma, and colorectal cancers. Alternatively spliced variants which encode different protein isoforms have been described, but only one has been fully characterized.
Product Categories/Family for anti-DOCK4 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	92091572
NCBI GeneID	9732
NCBI Accession #	NP_055520.3
NCBI GenBank Nucleotide #	NM_014705.3
UniProt Accession #	Q8N1I0; O14584; O94824; Q8NB45
Molecular Weight	29,833 Da
NCBI Official Full Name	dedicator of cytokinesis protein 4
NCBI Official Synonym Full Names	dedicator of cytokinesis 4
NCBI Official Symbol	DOCK4
NCBI Protein Information	dedicator of cytokinesis protein 4
UniProt Protein Name	Dedicator of cytokinesis protein 4
UniProt Gene Name	DOCK4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dock4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126444>