

Rabbit DOCK4 Polyclonal Antibody | anti-DOCK4 antibody

DOCK4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29930	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry

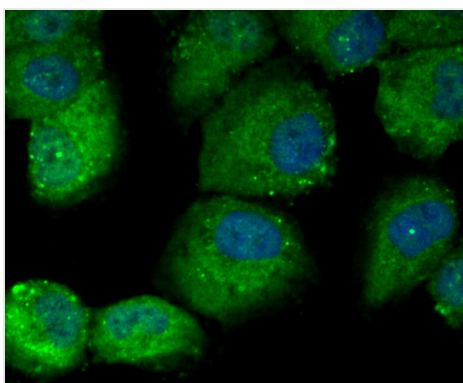
PRODUCT SYNONYMS

DOCK4; Polyclonal Antibody; DOCK4 Antibody; Dedicator of cytokinesis protein 4 antibody; Dock4 antibody; DOCK4_HUMAN antibody; KIAA0716 antibody; anti-DOCK4 antibody

PRODUCT SPECIFICATIONS

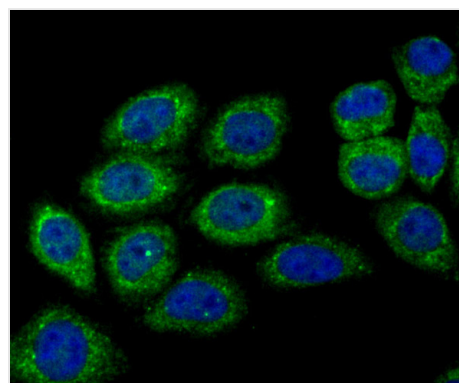
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-DOCK4 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	IHC: 1:50-1:200 ICC: 1:50-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



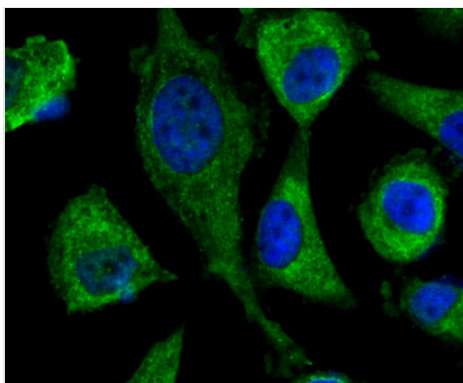
ICC (Immunocytochemistry)

ICC staining DOCK4 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



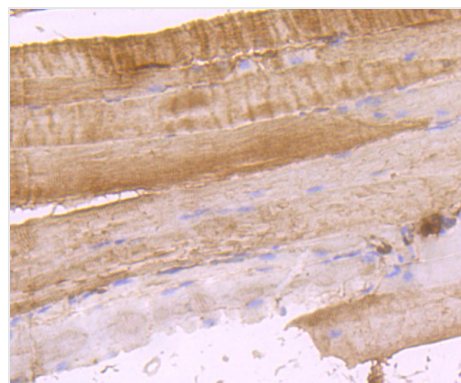
ICC (Immunocytochemistry)

ICC staining DOCK4 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



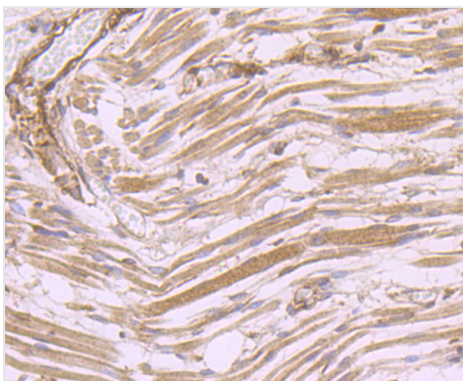
ICC (Immunocytochemistry)

ICC staining DOCK4 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



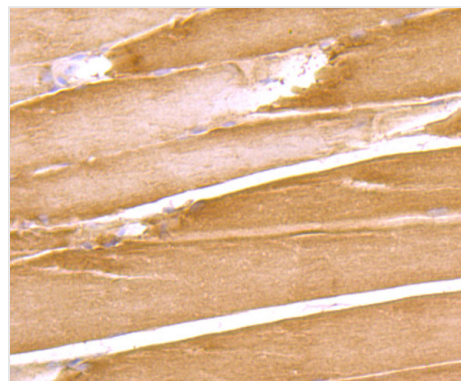
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-DOCK4 antibody	DOCK 4 (Dedicator of cytokinesis protein 4) is a cytoplasmic peripheral membrane protein that belongs to the DOCK family of cytokinesis-regulating proteins. Expressed ubiquitously with highest expression in prostate, ovary and skeletal muscle, DOCK 4 functions as a guanine nucleotide exchange factor (GEF) that activates the small GTPase Rap 1 and, via this activation, plays a role in the regulation of adherens junctions between cells. Similar to other DOCK family members, DOCK 4 contains an N-terminal SH3 domain, a C-terminal proline-rich region and two internal DOCK homology regions designated DHR1 and DHR2. Defects in the gene encoding DOCK 4 result in the inactivation of Rap 1 and are, thus, implicated in the pathogenesis of various cancers such as ovarian, prostate, glioma and colorectal carcinomas. Four isoforms of DOCK 4 are expressed due to alternative splicing events.
Product Categories/Family for anti-DOCK4 antibody	Total protein Ab

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
UniProt Synonym Gene Names	KIAA0716

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-western-blot-immunocytochemistry-immunohistochemistry-elisa/29930>