Product Datasheet

DOCK4 Antibody

Catalog No: #48522

Package Size: #48522-1 50ul #48522-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

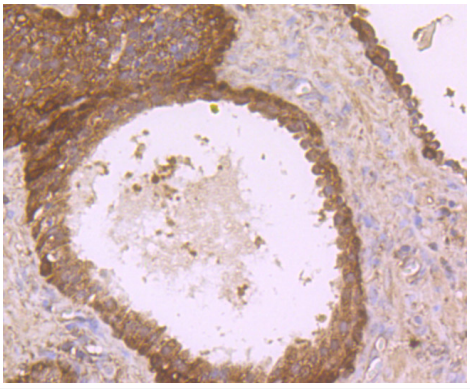
Description

Product Name	DOCK4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB,ICC,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Peptide
Other Names	Dedicator of cytokinesis protein 4 antibody Dock4 antibody DOCK4_HUMAN antibody KIAA0716 antibody
Accession No.	Swiss-Prot#:Q8N1I0
Uniprot	Q8N1I0
GeneID	9732;
Calculated MW	225 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

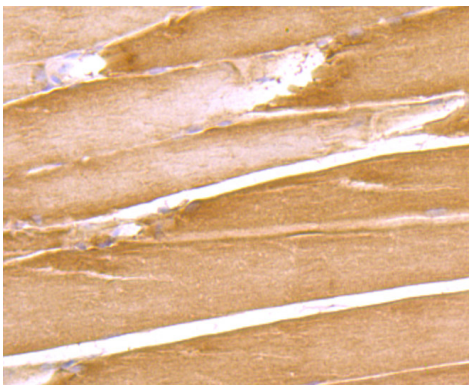
Application Details

IHC: 1:50-1:200 ICC: 1:50-1:200

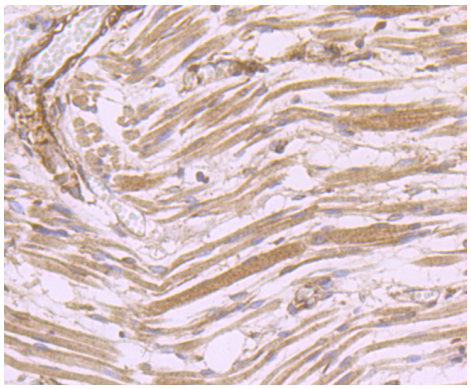
Images



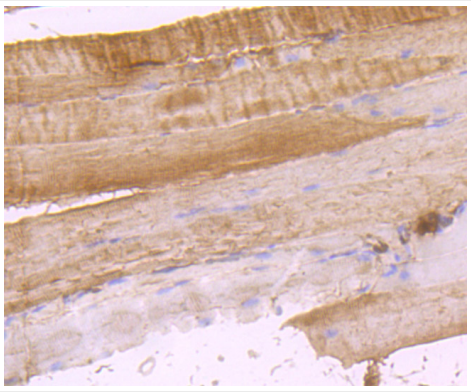
Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



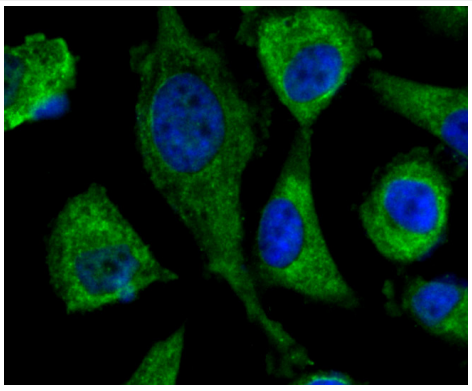
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



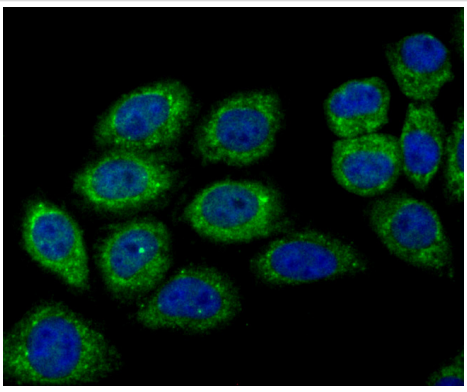
Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



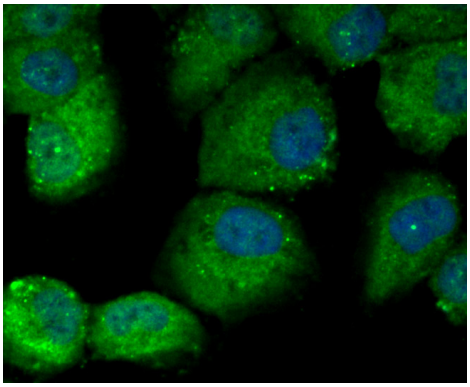
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-DOCK4 antibody. Counter stained with hematoxylin.



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.



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 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.

Background

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.

References

Note: This product is for in vitro research use only