abcam

Product datasheet

Anti-DOCK6 antibody ab188558

2 Images

Overview

Product name	Anti-DOCK6 antibody
Description	Rabbit polyclonal to DOCK6
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Recombinant fragment corresponding to Human DOCK6 aa 1150-1300. Database link: **Q96HP0** Run BLAST with Run BLAST with
Positive control	IHC-P: Human liver tissue. ICC/IF: U-2 OS cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab188558 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function Acts as guanine nucleotide exchange factor (GEF) for CDC42 and RAC1 small GTPases. Through its activation of CDC42 and RAC1, may regulate neurite outgrowth.

Tissue specificity Widely expressed. Expressed at low level in spleen, cerebellum, hippocampus and in substantia nigra.

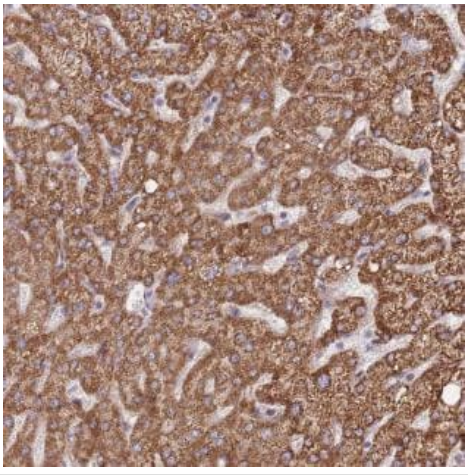
Involvement in disease Adams-Oliver syndrome 2

Sequence similarities Belongs to the DOCK family.
Contains 1 DHR-1 domain.
Contains 1 DHR-2 domain.

Domain The DHR-2 domain may mediate some GEF activity.

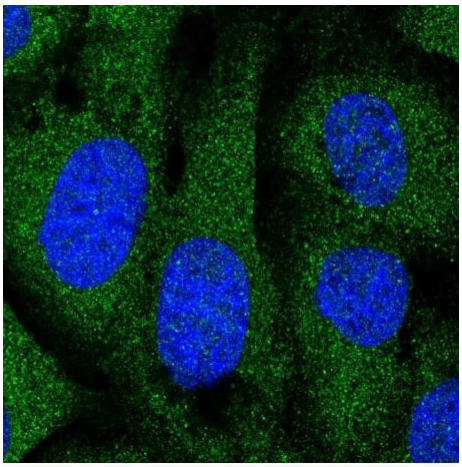
Cellular localization Cytoplasm. Cytoplasm > perinuclear region. Mainly located near the cell surface.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DOCK6 antibody (ab188558)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling DOCK6 with ab188558 at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-DOCK6 antibody (ab188558)

U-2 OS cells stained for DOCK6 (green) using ab188558 at 2 µg/ml in ICC/IF.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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