abcam

Product datasheet

Anti-DOCK9/Trg antibody ab70272

1 References 2 Images

Overview

Product name	Anti-DOCK9/Trg antibody
Description	Rabbit polyclonal to DOCK9/Trg
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Opossum, Orangutan
Immunogen	Synthetic peptide, corresponding to amino acids 1-50 of Human DOCK9 (NP_056111.1)
Positive control	HeLa whole cell lysate
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab70272 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
WB		1/5000 - 1/15000. Detects a band of approximately 236 kDa (predicted molecular weight: 236 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function
Guanine nucleotide-exchange factor (GEF) that activates CDC42 by exchanging bound GDP for free GTP. Overexpression induces filopodia formation.

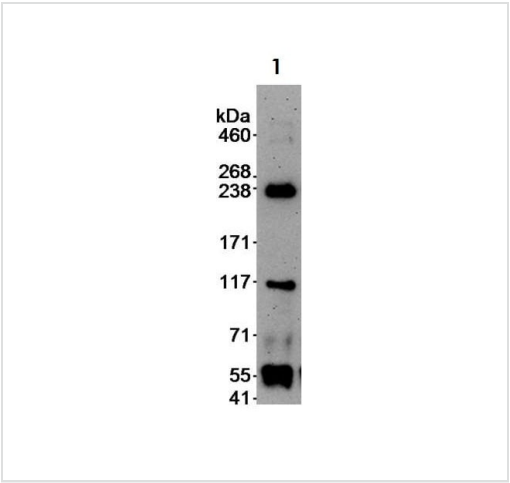
Tissue specificity
Widely expressed, with highest expression in heart and placenta. Expressed at intermediate level in kidney, brain, lung and skeletal muscle.

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

Domain
The DHR-2 domain is necessary and sufficient for the GEF activity.

Cellular localization
Endomembrane system. Associated with membranes.

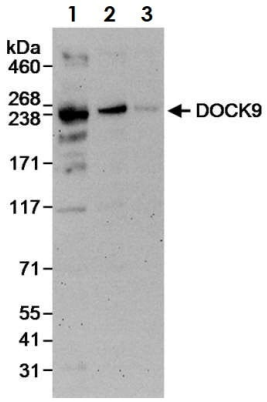
Images



Immunoprecipitation - Anti-DOCK9/Trg antibody (ab70272)

Immunoprecipitation of HeLa using 3ug/mL ab70272

Lane 1: ab70272



Western blot - Anti-DOCK9/Trg antibody (ab70272)

All lanes : Anti-DOCK9/Trg antibody (ab70272)

Lane 1 : HeLa cell lysate at 50 µg

Lane 2 : HeLa cell lysate at 15 µg

Lane 3 : HeLa cell lysate at 5 µg

Developed using the ECL technique.

Predicted band size: 236 kDa

Exposure time: 3 minutes

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