




Product datasheet

Anti-DOCK9/Trg antibody ab204421

5 Images

Overview

Product name	Anti-DOCK9/Trg antibody
Description	Rabbit polyclonal to DOCK9/Trg
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human DOCK9/Trg aa 250-400. Database link: Q9BZ29  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human cerebellum, placenta, lung tissue. ICC/IF: A431 cells. WB: Caco-2 cells.
General notes	<p>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.</p> <p>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</p>

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: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab204421 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
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 236 kDa.

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.

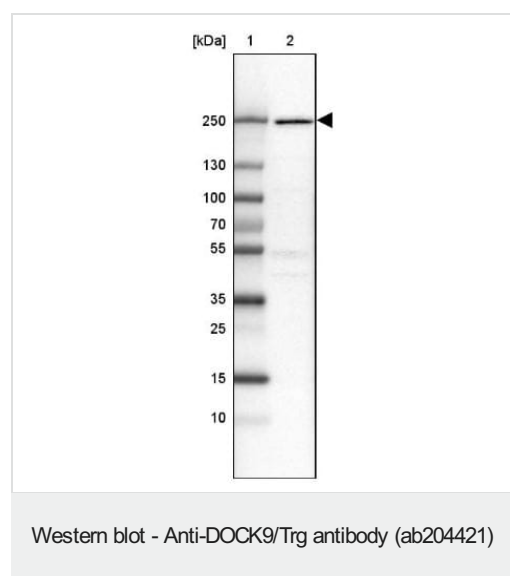
Domain

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

Cellular localization

Endomembrane system. Associated with membranes.

Images

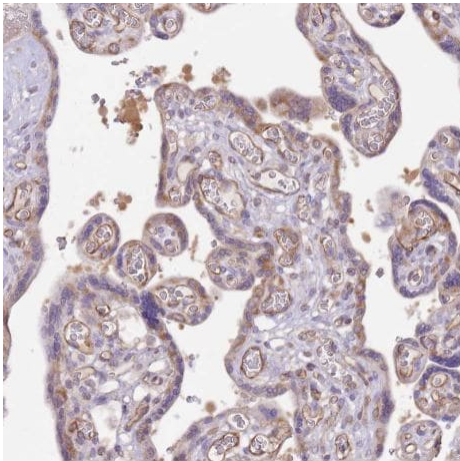


Lane 2 : Anti-DOCK9/Trg antibody (ab204421) at 0.4 µg/ml

Lane 1 : Molecular weight ladder

Lane 2 : Caco-2 cell lysate

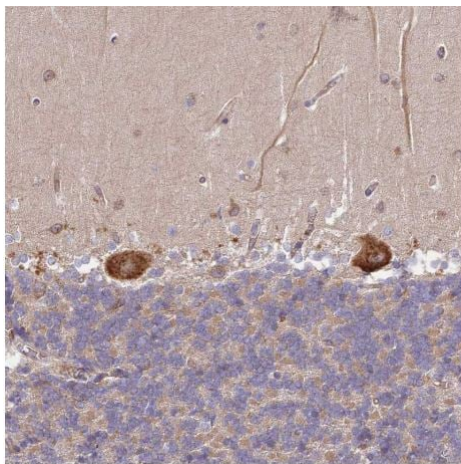
Predicted band size: 236 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DOCK9/Trg antibody (ab204421)

Paraffin embedded human placenta tissue stained for DOCK9/Trg using ab204421 at 1/1000 dilution in immunohistochemical analysis.

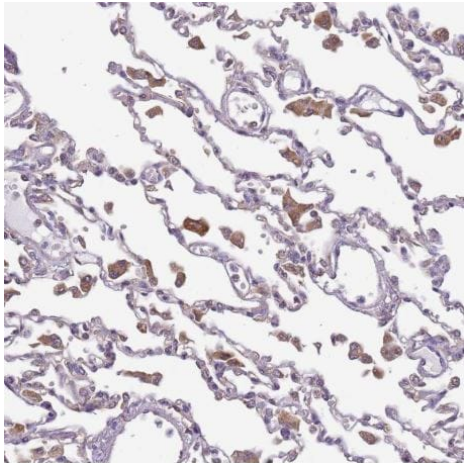
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DOCK9/Trg antibody (ab204421)

Paraffin embedded human cerebellum tissue stained for DOCK9/Trg using ab204421 at 1/1000 dilution in immunohistochemical analysis.

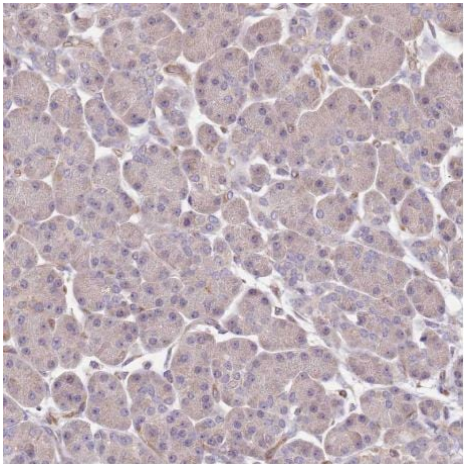
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DOCK9/Trg antibody (ab204421)

Paraffin embedded human lung tissue stained for DOCK9/Trg using ab204421 at 1/1000 dilution in immunohistochemical analysis.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DOCK9/Trg antibody (ab204421)

Paraffin embedded human pancreas tissue stained for DOCK9/Trg using ab204421 at 1/1000 dilution in immunohistochemical analysis. Shows no positivity in exocrine glandular cells as expected.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.

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

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