




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 aa 280-357. Sequence: LQLNFEAMQEKRNGDSHEDDEQSKLEGSGGLDSYLP ELAKSAREAEIK LKSESRVKLFYLDPDAQKLD FSSAEPEV 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>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as</p>

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab204421** in the following tested applications.

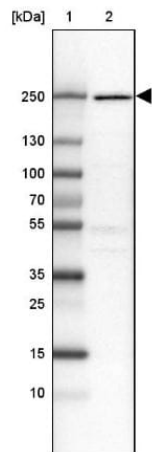
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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



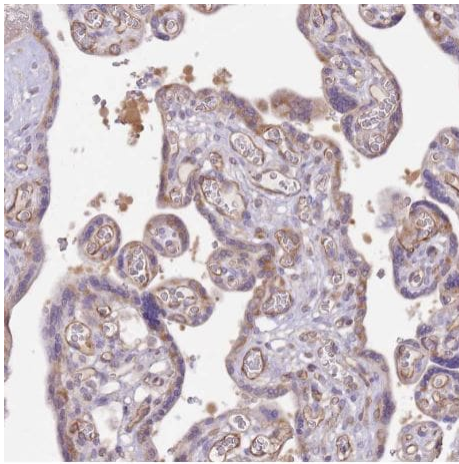
Western blot - Anti-DOCK9/Trg antibody (ab204421)

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

Lane 1 : Molecular weight ladder

Lane 2 : Caco-2 cell lysate

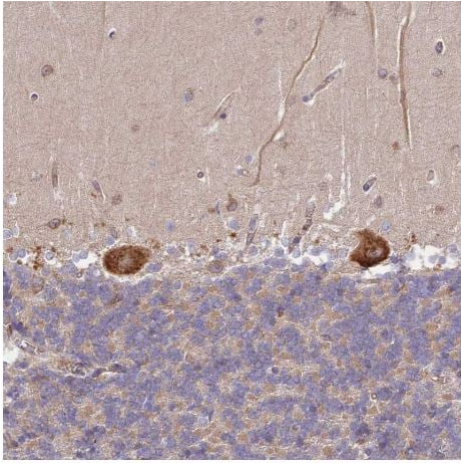
Predicted band size: 236 kDa



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.

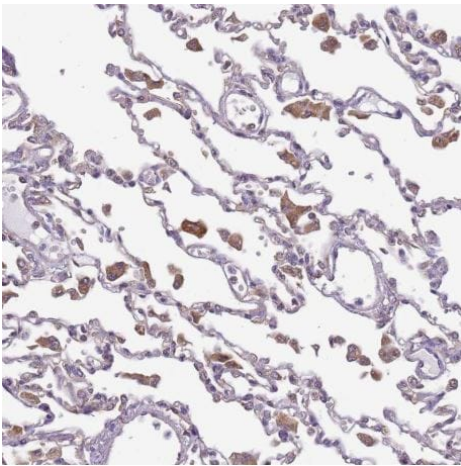
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



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.

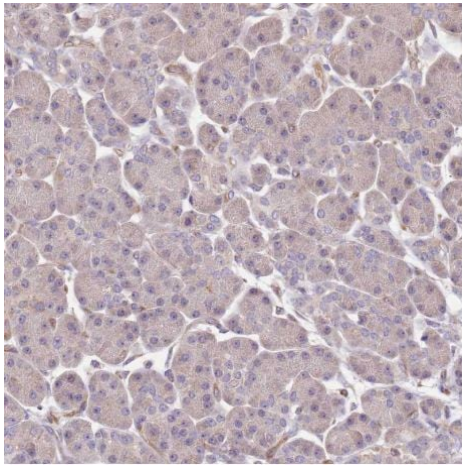
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



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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