


Product datasheet

Anti-DOCK7 antibody ab118790

[2 References](#) [2 Images](#)

Overview

Product name	Anti-DOCK7 antibody
Description	Rabbit polyclonal to DOCK7
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Horse, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus 
Immunogen	Synthetic peptide corresponding to Human DOCK7 aa 150-250. Database link: Q96N67
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
Purity	pH 7-8 Immunogen affinity purified
Purification notes	ab118790 was affinity purified using an epitope specific to DOCK7 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab118790 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		1/2000 - 1/10000. Predicted molecular weight: 243 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

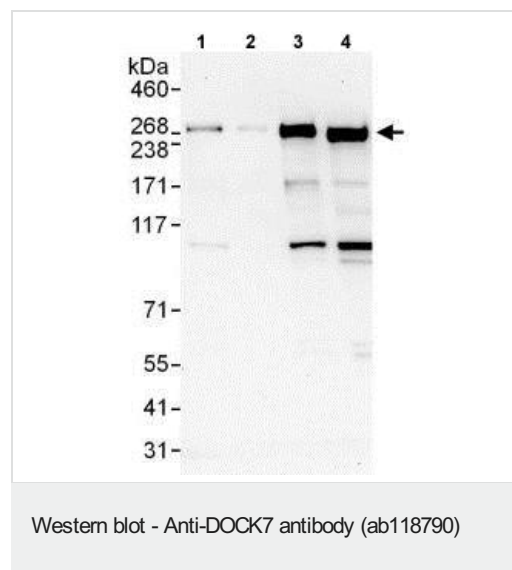
Relevance

DOCK7 functions as a guanine nucleotide exchange factor (GEF), which activates Rac1 and Rac3 Rho small GTPases by exchanging bound GDP for free GTP. It does not have a GEF activity for CDC42. It is required for STMN1 'Ser-15' phosphorylation during axon formation and consequently for neuronal polarization.

Cellular localization

Cell projection, axon. Note=Enriched in the developing axons of hippocampal neurons.

Images



All lanes : Anti-DOCK7 antibody (ab118790) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

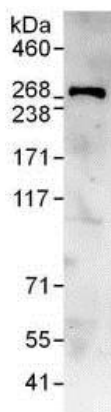
Lane 3 : 293T whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 243 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-DOCK7 antibody
(ab118790)

Detection of DOCK7 in Immunoprecipitates of HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab118790 at 6 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection. Detection: Chemiluminescence with an exposure time of 30 seconds.

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

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