


Product datasheet

Anti-DOCK1 antibody ab75278

1 Image

Overview

Product name	Anti-DOCK1 antibody
Description	Rabbit polyclonal to DOCK1
Host species	Rabbit
Tested applications	Suitable for: IP Unsuitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, Orangutan, Medaka fish 
Immunogen	Synthetic peptide corresponding to a region between residues 1715 and 1765 of human DOCK1 (NP_001371.1)
Positive control	HeLa whole cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Purification notes	ab75278 was affinity purified using an epitope specific to DOCK1 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

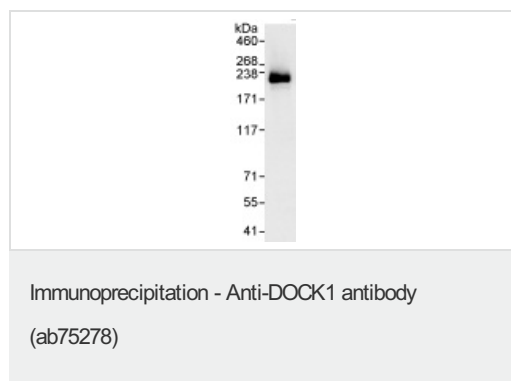
Applications

Our [Abpromise guarantee](#) covers the use of **ab75278** 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
IP		Use at 2-5 µg/mg of lysate.
Application notes	Is unsuitable for WB.	
Target		
Function	Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Functions as a guanine nucleotide exchange factor (GEF), which activates Rac Rho small GTPases by exchanging bound GDP for free GTP. Its GEF activity may be enhanced by ELMO1.	
Tissue specificity	Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.	
Sequence similarities	Belongs to the DOCK family. Contains 1 DHR-1 (CZH-1) domain. Contains 1 DHR-2 (CZH-2) domain. Contains 1 SH3 domain.	
Domain	The DHR-2 domain is necessary and sufficient for the GEF activity.	
Cellular localization	Cytoplasm. Membrane. Recruited to membranes via its interaction with phosphatidylinositol 3,4,5-triphosphate.	

Images



Detection of DOCK1 by Western Blot of Immunoprecipitate.

anti-DOCK1 at 1µg/ml staining DOCK1 in HeLa whole cell lysate immunoprecipitated using ab75278 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 3 seconds.

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