


Product datasheet

Anti-DOCK1 antibody ab75278

1 Image

Overview

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

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7-8
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab75278 was affinity purified using an epitope specific to DOCK1 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

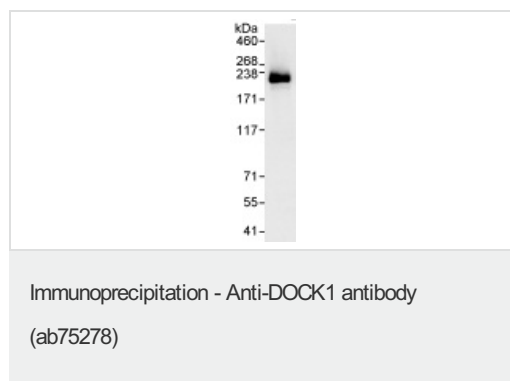
Applications

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.
<b>Application notes</b>	Is unsuitable for WB.	
<b>Target</b>		
<b>Function</b>	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.	
<b>Tissue specificity</b>	Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.	
<b>Sequence similarities</b>	Belongs to the DOCK family. Contains 1 DHR-1 (CZH-1) domain. Contains 1 DHR-2 (CZH-2) domain. Contains 1 SH3 domain.	
<b>Domain</b>	The DHR-2 domain is necessary and sufficient for the GEF activity.	
<b>Cellular localization</b>	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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