antibodies -online.com





anti-ROBO1 antibody (AA 29-143)



Images



Go to Product page

()	11/0	r\ /1	$\triangle 1 $
	$\lor \lor \vdash$	$I \vee I$	ew

Quantity:	100 μg
Target:	ROBO1
Binding Specificity:	AA 29-143
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROBO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Roundabout homolog 1 protein (29-143AA)		
Isotype:	IgG		
Cross-Reactivity:	Human		
Purification:	>95%, Protein G purified		

Target Details

Target:	ROBO1	
Alternative Name:	ROBO1 (ROBO1 Products)	
Background:	Background: Receptor for SLIT1 and SLIT2 that mediates cellular responses to molecular	
	guidance cues in cellular migration, including axonal navigation at the ventral midline of the	

neural tube and projection of axons to different regions during neuronal development (PubMed:10102268, PubMed:24560577). Interaction with the intracellular domain of FLRT3 mediates axon attraction towards cells expressing NTN1 (PubMed:24560577). In axon growth cones, the silencing of the attractive effect of NTN1 by SLIT2 may require the formation of a ROBO1-DCC complex (By similarity). Plays a role in the regulation of cell migration via its interaction with MY09B, inhibits MY09B-mediated stimulation of RH0A GTPase activity, and thereby leads to increased levels of active, GTP-bound RHOA (PubMed:26529257). May be required for lung development (By similarity).

Aliases: Deleted in U twenty twenty antibody, DUTT 1 antibody, DUTT1 antibody, FLJ21882 antibody, H Robo 1 antibody, H-Robo-1 antibody, hRobo 1 antibody, Robo 1 antibody, Robo1 antibody, ROBO1_HUMAN antibody, Roundabout 1 antibody, Roundabout axon guidance receptor homolog 1 antibody, Roundabout homolog 1 antibody, Roundabout homolog1 precurser antibody, Roundabout1 antibody, SAX 3 antibody, SAX3 antibody

UniProt:

Q9Y6N7

Pathways:

Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:

Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions:

For Research Use only

Handling

F	O	rr	n	а	t:

Liquid

Buffer:

Preservative: 0.03 % Proclin 300

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative:

ProClin

Precaution of Use:

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

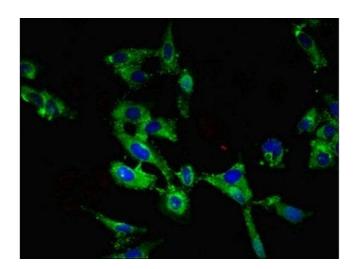
handled by trained staff only.

Storage:

-20 °C,-80 °C

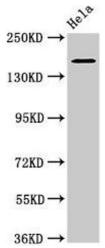
Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of Hela cells using ABIN7168440 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate All lanes: ROBO1 antibody at 3.2 μg/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 181, 182, 177, 176, 170 kDa Observed band size: 181 kDa