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## anti-ROBO1 antibody (AA 29-143) (FITC)



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Quantity:	100 μg
Target:	ROBO1
Binding Specificity:	AA 29-143
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROBO1 antibody is conjugated to FITC
Application:	Please inquire

## **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 MYO9B, inhibits MYO9B-mediated stimulation of RHOA 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, 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**

Restrictions:

For Research Use only

#### Handling

Format:	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.	