

Rabbit anti-Human ROBO1 Polyclonal Antibody | anti-ROBO1 antibody

ROBO1 Antibody

CATALOG # AAA233140	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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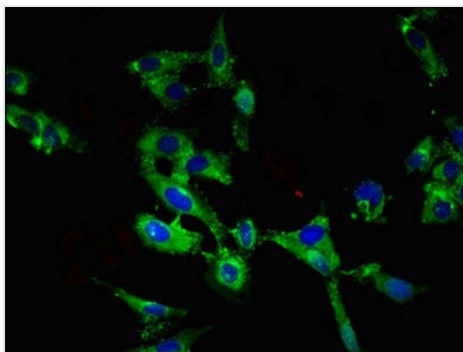
PRODUCT SYNONYMS

ROBO1; Polyclonal Antibody; ROBO1 Antibody; Roundabout homolog 1; Deleted in U twenty twenty; H-Robo-1; DUTT1; anti-ROBO1 antibody

PRODUCT SPECIFICATIONS

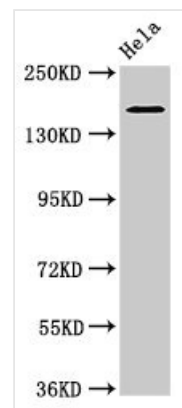
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1551
Applicable Applications for anti-ROBO1 antibody	ELISA
Immunogen	Recombinant Human Roundabout homolog 1 protein (29-143AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16611 / sc-16612 / sc-25672
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA233140 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysateAll lanes: ROBO1 antibody at 3.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 181,182,177,176,170 KDaObserved band size: 181 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-ROBO1 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224994173
NCBI GeneID	6091
NCBI Accession #	NP_001139317.1
NCBI GenBank Nucleotide #	NM_001145845.1
UniProt Accession #	Q9Y6N7; Q1RMC7; Q7Z300; Q9BUS7; B2RXI1; D3DU36; E9PD49
Molecular Weight	169,661 Da
NCBI Official Full Name	roundabout homolog 1 isoform d
NCBI Official Synonym Full Names	roundabout guidance receptor 1
NCBI Official Symbol	ROBO1
NCBI Official Synonym Symbols	SAX3; DUTT1
NCBI Protein Information	roundabout homolog 1
UniProt Protein Name	Roundabout homolog 1
UniProt Gene Name	ROBO1
UniProt Synonym Gene Names	DUTT1
UniProt Entry Name	ROBO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/robo1-antibody-elisa/233140>