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Datasheet for ABIN7168441
anti-ROBO1 antibody (AA 29-143) (Biotin)

Overview

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

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

Target Details

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, Robo1 antibody, ROBO1_HUMAN antibody, Roundabout 1 antibody, Roundabout axon guidance receptor homolog 1 antibody, Roundabout homolog 1 antibody, Roundabout homolog1 precursor antibody, Roundabout1 antibody, SAX 3 antibody, SAX3 antibody

UniProt: [Q9Y6N7](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

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.