

Rabbit ROBO4 Polyclonal Antibody | anti-ROBO4 antibody

ROBO4 Polyclonal Antibody

CATALOG # AAA170145	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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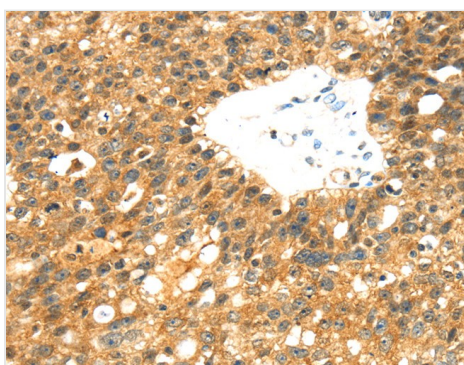
PRODUCT SYNONYMS

ROBO4; Polyclonal Antibody; ROBO4 Polyclonal Antibody; MRB; ECSM4; anti-ROBO4 antibody

PRODUCT SPECIFICATIONS

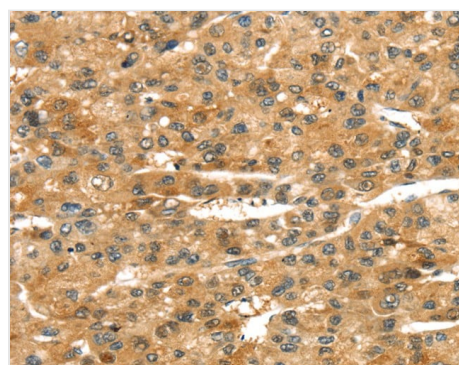
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.5mg/mL (varies by lot)
Sequence Length	862
Applicable Applications for anti-ROBO4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant protein of human ROBO4
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using ROBO4 Polyclonal Antibody at dilution 1:25



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using ROBO4 Polyclonal Antibody at dilution 1:25

ADDITIONAL INFORMATION

Related Product Information for anti-ROBO4 antibody	Robo4 (roundabout homolog 4 or magic roundabout) is a receptor for Slit proteins which implicate in angiogenesis and vascular patterning especially through facilitating inhibition of primary endothelial cell migration. It is a fairly recently identified member of Robo family and is shorter than other Robo members at both intracellular as well as extracellular domains. Robo4 plays important roles in several aspects of vascular development such as the guidance of endothelial cell migration, cell cycle regulation, inhibition of pathologic angiogenesis and endothelial hyperpermeability etc. Employing mouse and zebrafish models, Slit2/Robo4 interactions have been shown to maintain integrity of vascular network and its barrier function by inhibiting cytokine-mediated vasculogenesis with enhanced permeability, and that Slit2-Robo4-paxillin-GIT1 network inhibits neovascularization and vascular leakage. Moreover, single nucleotide polymorphism of Robo4 has been documented to be associated with autism suggesting its role in development and function of human brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	666637980
NCBI GeneID	54538
NCBI Accession #	NP_001288017.1
NCBI GenBank Nucleotide #	NM_001301088.1
Molecular Weight	75,282 Da
NCBI Official Full Name	roundabout homolog 4 isoform 2
NCBI Official Synonym Full Names	roundabout, axon guidance receptor, homolog 4 (Drosophila)
NCBI Official Symbol	ROBO4
NCBI Official Synonym Symbols	MRB; ECSM4
NCBI Protein Information	roundabout homolog 4; roundabout homolog 4, magic roundabout
UniProt Protein Name	Roundabout homolog 4
UniProt Gene Name	ROBO4
UniProt Entry Name	ROBO4_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.