

Rabbit anti-Human Roundabout 4 Polyclonal Antibody | anti-ROBO4 antibody

Roundabout 4 Antibody (N-term)

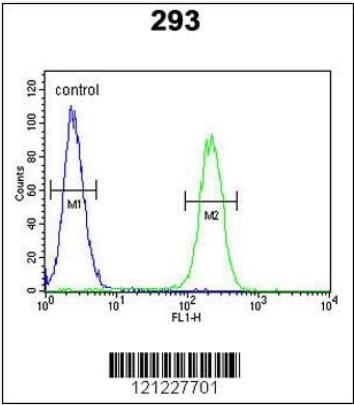
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283842	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

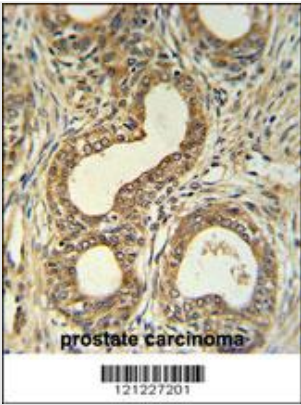
Roundabout 4; Polyclonal Antibody; Roundabout 4 Antibody (N-term); Roundabout homolog 4; Magic roundabout; ROBO4; anti-ROBO4 antibody

PRODUCT SPECIFICATIONS

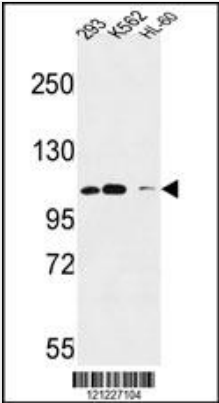
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Roundabout 4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-264 amino acids from the N-terminal region of human Roundabout 4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	236-264
Sequence Length	702
Applicable Applications for anti-ROBO4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Roundabout 4 Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Roundabout 4 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Roundabout 4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Roundabout 4 Antibody (N-term) western blot analysis in 293,K562,HL-60 cell line lysates (35ug/lane).This demonstrates the Roundabout4 antibody detected the Roundabout4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ROBO4 antibody	Roundabout 4 is receptor for Slit proteins, at least for SLIT2, and seems to be involved in angiogenesis and vascular patterning. This protein may mediate the inhibition of primary endothelial cell migration by Slit proteins.
Product Categories/Family for anti-ROBO4 antibody	Cancer; Cardiovascular; Neuroscience
References	Jones, C.A., et al. Nat. Cell Biol. 11(11):1325-1331(2009) Sheldon, H., et al. FASEB J. 23(2):513-522(2009) Huang, L., et al. Mol. Vis. 15, 1057-1069 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	17511435
NCBI GeneID	54538
NCBI Accession #	NP_061928.4
NCBI GenBank Nucleotide #	NM_019055.5
UniProt Accession #	Q8WZ75; Q14DU7; Q8TEG1; Q96JV6; Q9H718; Q9NWJ8; A8K154

Molecular Weight	107457
NCBI Official Full Name	roundabout homolog 4 isoform 1
NCBI Official Synonym Full Names	roundabout guidance receptor 4
NCBI Official Symbol	ROBO4
NCBI Official Synonym Symbols	MRB; ECSM4
NCBI Protein Information	roundabout homolog 4
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/roundabout-4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283842>