

Goat ROBO1 Polyclonal Antibody | anti-ROBO1 antibody

Goat Polyclonal to Human ROBO1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12322	Goat	Bat, Bovine, Chicken, Dog, Xenopus, Hamster, Horse, Pig, Human, Monkey, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

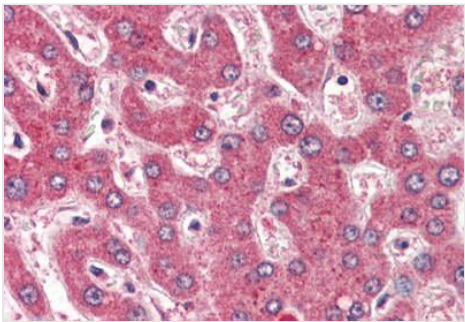
ROBO1; Polyclonal Antibody; Goat Polyclonal to Human ROBO1; Anti-ROBO1 Antibody (Internal) IHC-plus; Deleted in U twenty twenty; H-Robo-1; Roundabout 1; SAX3; DUTT1; Roundabout homolog 1; Human ROBO1; anti-ROBO1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Bat, Bovine, Chicken, Dog, Xenopus, Hamster, Horse, Pig, Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Specificity	Human ROBO1. This antibody is expected to recognise all reported isoforms (NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1).
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	1651
Applicable Applications for anti-ROBO1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Application Notes	IHC-P: 2 ug/ml WB: 1 ug/ml IF: 10 ug/ml Peptide Enzyme-Linked Immunoabsorbent Assay: 1:8000 Optimal dilutions to be determined by the researcher.
Target	ROBO1
Immunogen	ROBO1 antibody was raised against peptide with sequence C-GDVDSLKNKINEMK, from the internal region of the protein sequence according to NP_002932.1; NP_598334.1.
Immunogen Type	ROBO1 antibody was raised against Human.
Epitope	aa994-1006
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech, Inc. makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store at -20°C. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-ROBO1 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2 ug/ml.

WB (Western Blot)
Antibody (1 ug/ml) staining of HUVEC lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-ROBO1 antibody	Immunohistochemistry: MBS242360 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for MBS242360 was determined to be 2 ug/ml.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506569
NCBI GeneID	6091
NCBI Accession #	NP_002932.1
NCBI GenBank Nucleotide #	NM_002941.3
UniProt Accession #	Q9Y6N7; Q1RMC7; Q7Z300; Q9BUS7; B2RXI1; D3DU36; E9PD49
NCBI Official Full Name	roundabout homolog 1 isoform a
NCBI Official Synonym Full Names	roundabout, axon guidance receptor, homolog 1 (Drosophila)
NCBI Official Symbol	ROBO1
NCBI Official Synonym Symbols	SAX3; DUTT1
NCBI Protein Information	roundabout homolog 1; deleted in U twenty twenty
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.