

ROBO1 recombinant antibody

ROBO1 Recombinant Monoclonal Antibody

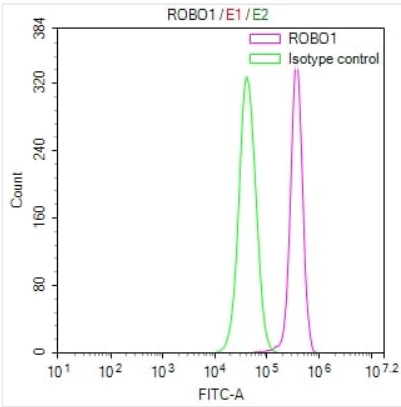
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279182	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

ROBO1; Monoclonal Recombinant Antibody; ROBO1 Recombinant Monoclonal Antibody; Deleted in U twenty twenty; DUTT 1; DUTT1; FLJ21882; H Robo 1; H-Robo-1; hRobo 1; Robo 1; Robo1; ROBO1_HUMAN; Roundabout 1; Roundabout axon guidance receptor homolog 1; Roundabout homolog 1; Roundabout homolog1 precursor; Roundabout1; SAX 3; SAX3; ROBO1 recombinant antibody

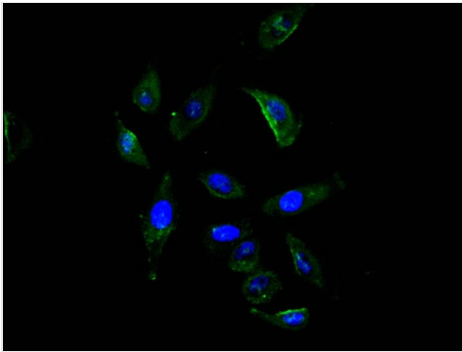
PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	22D5
Purity/Purification	Affinity purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for ROBO1 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human ROBO1 protein
Conjugation	Non-conjugated
Research Area	Neuroscience; Cancer
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



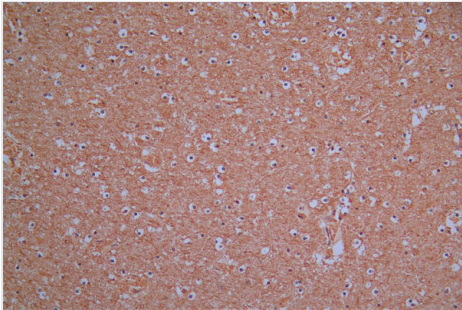
FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HeLa cells stained with AAA279182 (red line) at 1:50. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,025 events was performed.



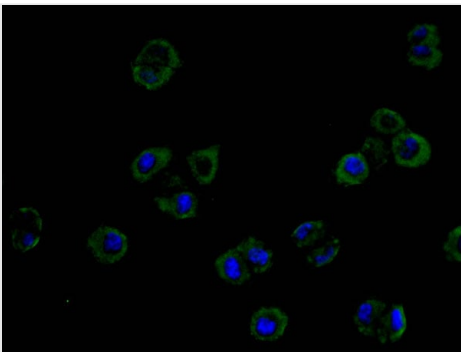
IF (Immunofluorescence)

Immunofluorescence staining of A549 cell with AAA279182 at 1:20, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



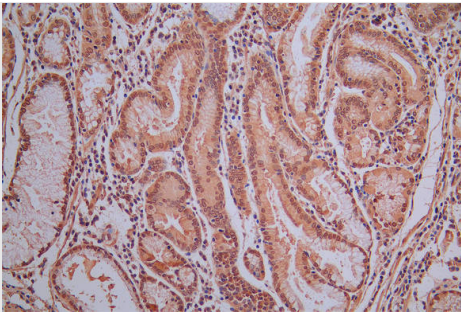
IHC (Immunohistochemistry)

IHC image of AAA279182 diluted at 1:30 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cell with AAA279182 at 1:20, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IHC (Immunohistochemistry)

IHC image of AAA279182 diluted at 1:30 and staining in paraffin-embedded human gastric cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.

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
Molecular Weight	169,661 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/robo1-recombinant-antibody-clone-22d5-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/279182>