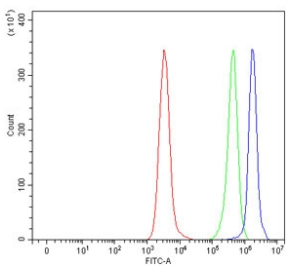
SLIT2 Antibody (RQ7202)

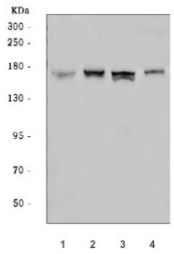
Catalog No.	Formulation	Size
RQ7202	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O94813
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SLIT2 antibody is available for research use only.



Flow cytometry testing of human Daudi cells with SLIT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLIT2 antibody.



Western blot testing of human 1) 293T, 2) Raji, 3) PC-3 and 4) U-251 cell lysate with SLIT2 antibody. Expected molecular weight: ~180-210 kDa (full length), ~140 kDa (N-terminal fragment), 55-60 kDa (C-terminal fragment).

Description

Slit homolog 2 protein is a protein that in humans is encoded by the SLIT2 gene. This gene encodes a member of the slit family of secreted glycoproteins, which are ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. Members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Proteolytic processing of this protein gives rise to an N-terminal fragment that contains the four leucine-rich repeats and five epidermal growth factor repeats and a C-terminal fragment that contains four epidermal growth factor repeats and the cysteine knot. Both full length and cleaved proteins are secreted extracellularly and can function in axon repulsion as well as other specific processes. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the SLIT2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N934-S1529) was used as the immunogen for the SLIT2 antibody.

Storage

After reconstitution, the SLIT2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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