

For Research Use Only

ROBO1 Polyclonal antibody

Catalog Number: 25181-1-AP



Basic Information

Catalog Number:

25181-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16461

GenBank Accession Number:

BC112336

GeneID (NCBI):

6091

UNIPROT ID:

Q9Y6N7

Full Name:

roundabout, axon guidance receptor,
homolog 1 (Drosophila)

Calculated MW:

1651 aa, 181 kDa

Observed MW:

200-250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : Y79 cells, HeLa cells

IHC : human brain tissue,

Background Information

ROBO1, also named as DUTT1, belongs to the immunoglobulin superfamily and ROBO family. It is a receptor for SLIT1 and SLIT2 which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development. In axon growth cones, the silencing of the attractive effect of NTN1 by SLIT2 may require the formation of a ROBO1-DCC complex. It may be required for lung development.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

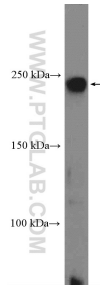
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E: Proteintech-CN@ptglab.com

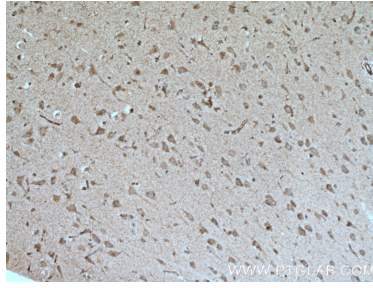
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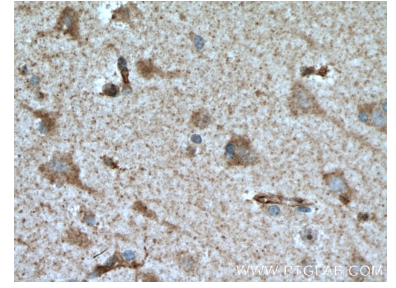
Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 25181-1-AP (ROBO1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25181-1-AP (ROBO1 Antibody) at dilution of 1:50 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25181-1-AP (ROBO1 Antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).