

For Research Use Only

# Plexin-B2 Polyclonal antibody, PBS Only

Catalog Number: 10602-1-PBS

Featured Product



## Basic Information

Catalog Number:

10602-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0941

GenBank Accession Number:

BC004542

GeneID (NCBI):

23654

UNIPROT ID:

O15031

Full Name:

plexin B2

Calculated MW:

205 kDa

Observed MW:

80 kDa, 240 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

Semaphorins, originally identified as axon guidance molecules, have also been implicated in angiogenesis, immunoregulation, and cancer (PMID: 16584533). Plexins are main receptors for semaphorins and are thought to control many of the functional effects of semaphorins. PLXNB2 is one of the three plexin-B family members which participate in axon guidance and cell migration in response to semaphorins. It has been reported that plexin B2 precursor is 240 kDa and can be cleaved into alpha subunit (~170-kDa) and beta subunit (80-kDa) (PMID: 12533544). This antibody raised against 1542-1841aa of human plexin B2 can recognize precursor and beta subunit of plexin B2.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

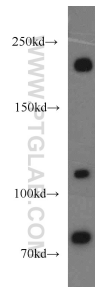
T: 4006900926

E: Proteintech-CN@ptglab.com

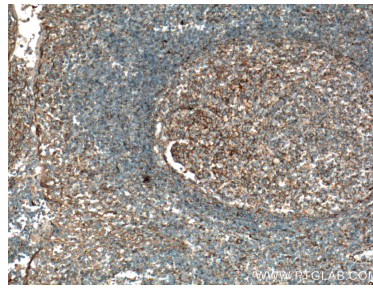
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

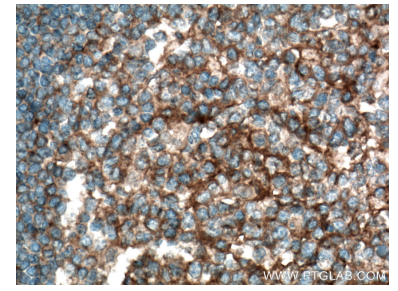
## Selected Validation Data



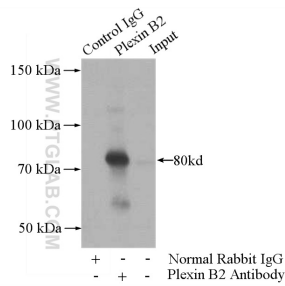
A549 cells were subjected to SDS PAGE followed by western blot with 10602-1-AP (Plexin B2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10602-1-PBS in a different storage buffer formulation.



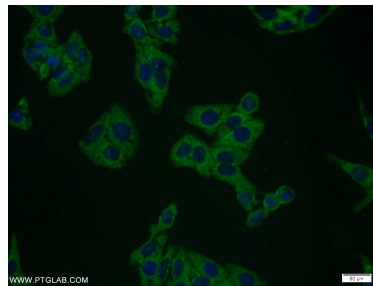
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10602-1-AP (Plexin B2 antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10602-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10602-1-AP (Plexin B2 antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10602-1-PBS in a different storage buffer formulation.



IP result of anti-Plexin B2 (IP:10602-1-AP, 4ug; Detection:10602-1-AP 1:1000) with mouse liver tissue lysate 4000ug. This data was developed using the same antibody clone with 10602-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells using 10602-1-AP (Plexin B2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 10602-1-PBS in a different storage buffer formulation.