

# PLXNB1 Polyclonal antibody

Catalog Number: 23795-1-AP

5 Publications

## Basic Information

## Catalog Number:

23795-1-AP

## Size:

700 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG20719

## GenBank Accession Number:

BC146793

## GeneID (NCBI):

5364

## UNIPROT ID:

O43157

## Full Name:

plexin B1

## Calculated MW:

2135 aa, 232 kDa

## Observed MW:

210 kDa

## Purification Method:

Antigen Affinity purified

## Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human, mouse

## Cited Species:

human, mouse, rat

**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 : mouse brain tissue,

IHC : human kidney tissue, human brain tissue

## 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. PLXNB1 is one of the three plexin-B family members. It is a high-affinity receptor for semaphorin 4D (SEMA4D). Interaction of SEMA4D and PLXNB1 has important physiologic effects in the immune and nervous systems, and is also involved in tumor progression, especially in tumor angiogenesis (PMID: 20858260).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Liu	35794581	J Transl Med	WB
Bradley A Welch	35170806	J Neuroendocrinol	IF
Kun Wang	33490182	Ann Transl Med	WB

## 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

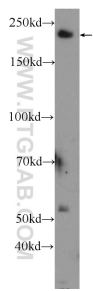
For technical support and original validation data for this product please contact:

T: 4006900926

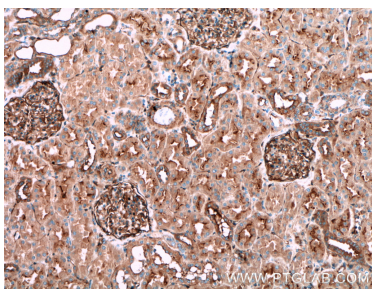
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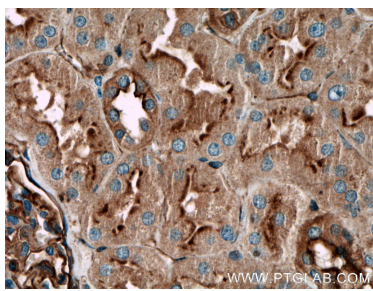
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 23795-1-AP (PLXNB1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 23795-1-AP (PLXNB1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 23795-1-AP (PLXNB1 antibody) at dilution of 1:200 (under 40x lens).