

For Research Use Only

PLXNB1 Polyclonal antibody

Catalog Number: 23795-1-AP **5 Publications**



Basic Information

Catalog Number: 23795-1-AP	GenBank Accession Number: BC146793	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 5364	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O43157	
Isotype: IgG	Full Name: plexin B1	
Immunogen Catalog Number: AG20719	Calculated MW: 2135 aa, 232 kDa	
	Observed MW: 210 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse brain tissue, IHC : human kidney tissue, human brain tissue
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	

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

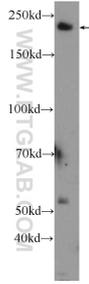
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

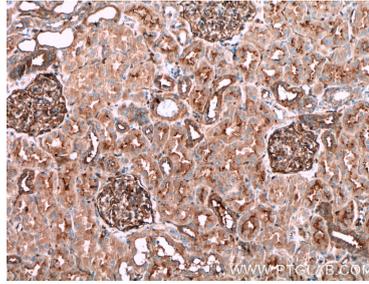
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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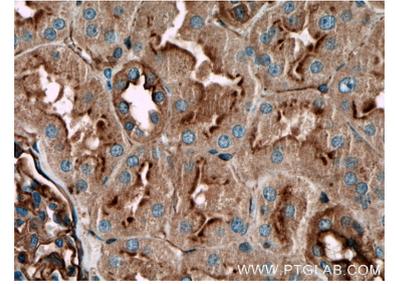
Selected Validation Data



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).