

For Research Use Only

PLXNB1 Polyclonal antibody

Catalog Number: 29440-1-AP



Basic Information

Catalog Number: 29440-1-AP	GenBank Accession Number: BC146793	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 5364	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O43157	
Isotype: IgG	Full Name: plexin B1	
Immunogen Catalog Number: AG31224	Calculated MW: 2135 aa, 232 kDa	
	Observed MW: 200-250 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse 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).

Storage

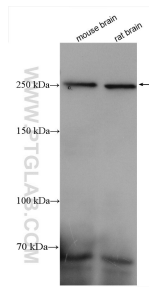
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

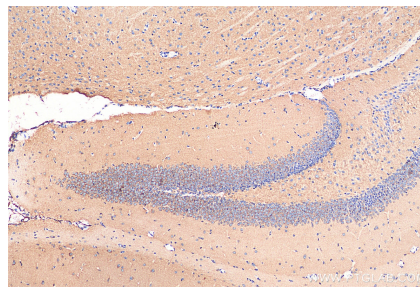
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29440-1-AP (PLXNB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29440-1-AP (PLXNB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).