

For Research Use Only

PLXDC2 Recombinant antibody, PBS Only

Catalog Number: 83449-4-PBS



Basic Information

Catalog Number: 83449-4-PBS	GenBank Accession Number: BC012885	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 84898	CloneNo.: 240174A11
Source: Rabbit	UNIPROT ID: Q6UX71	
Isotype: IgG	Full Name: plexin domain containing 2	
Immunogen Catalog Number: AG2940	Calculated MW: 480 aa, 54 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Background Information

PLXDC2 (Plexin-domain containing 2), also named tumor endothelial marker 7-related protein (TEM7R), is a single-pass type I membrane protein with some homology to nidogen and to plexins. PLXDC2 is located in tumor endothelium and plays a role in tumor angiogenesis. Three isoforms of PLXDC2 produced by alternative splicing have been described. Recent finding revealed that PLXDC2 is a mitogen for neural progenitors and functions as a novel regulator of the development of different brain regions, suggesting its role in coordinating proliferation and differentiation in the developing nervous system.

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

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

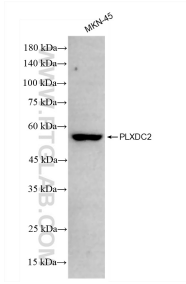
T: 4006900926

E: Proteintech-CN@ptglab.com

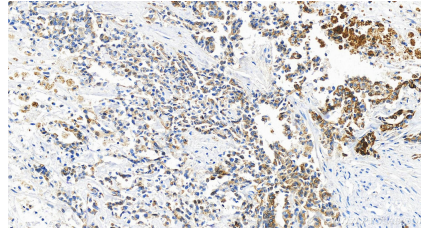
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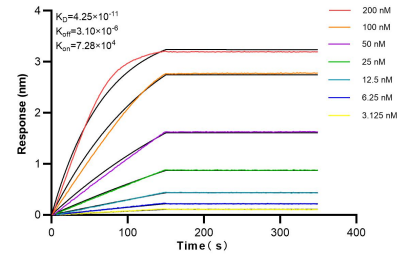
Selected Validation Data



MKN-45 cells were subjected to SDS PAGE followed by western blot with 83449-4-RR (PLXDC2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83449-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83449-4-RR (PLXDC2 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83449-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83449-4-RR against Human PLXDC2 were performed. The affinity constant is 42.5 pM.