

For Research Use Only

PLXDC2 Polyclonal antibody

Catalog Number: 12285-1-AP **2 Publications**



Basic Information

Catalog Number: 12285-1-AP	GenBank Accession Number: BC012885	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 84898	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
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: IHC, WB, ELISA	Positive Controls: WB : A431 cells, HeLa cells
Cited Applications: WB, IF, IHC	IHC : human lung cancer tissue, human liver cancer tissue
Species Specificity: human, mouse, rat	
Cited Species: human	
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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yiming Guan	34124056	Front Cell Dev Biol	IHC,IF
Liwei Lang	37089864	Cancer Res Commun	WB,IHC

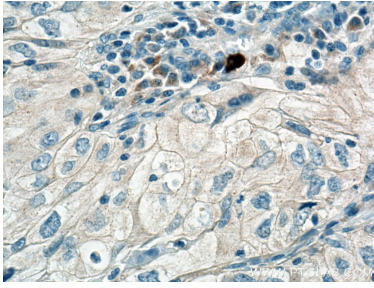
Storage

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

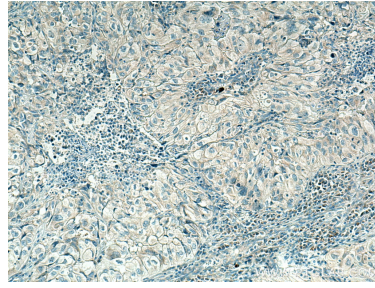
For technical support and original validation data for this product please contact:
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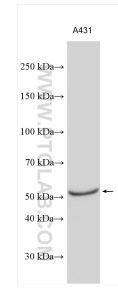
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12285-1-AP (PLXDC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12285-1-AP (PLXDC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



A431 cells were subjected to SDS PAGE followed by western blot with 12285-1-AP (PLXDC2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.