

For Research Use Only

DLL4 Polyclonal antibody

Catalog Number: 21584-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

21584-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16140

GenBank Accession Number:

BC106950

GeneID (NCBI):

54567

UNIPROT ID:

Q9NR61

Full Name:

delta-like 4 (Drosophila)

Calculated MW:

685 aa, 75 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: HUVEC cells, mouse brain tissue, A431 cells, bEnd.3 cells, mouse lung tissue

IP: mouse lung tissue,

IHC: mouse lung tissue,

IF-P: human stomach cancer tissue,

Background Information

DLL4, also named as Delta4, plays a role in the Notch signaling pathway. It activates Notch-1 and Notch-4. Notch signaling is activated upon engagement of the Notch receptor with its ligands, the DSL (Delta, Serrate, Lag2) proteins of single-pass type I membrane proteins. DLL4 is highly expressed in the vascular endothelium and is involved in angiogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Bai	32955682	Angiogenesis	WB, IF
Yangyan He	31589383	J Cell Mol Med	WB
Nannan Kang	36428773	Cancers (Basel)	IHC, 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

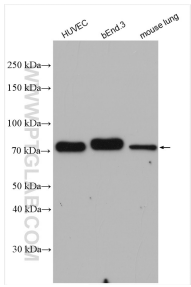
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

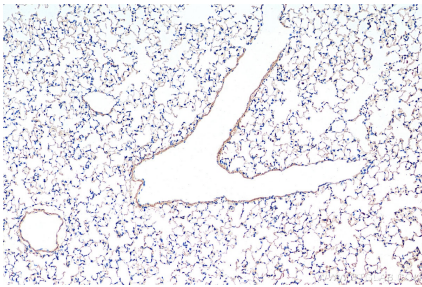
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

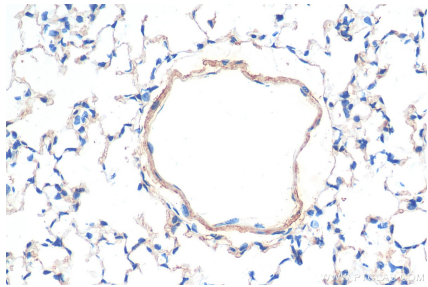
Selected Validation Data



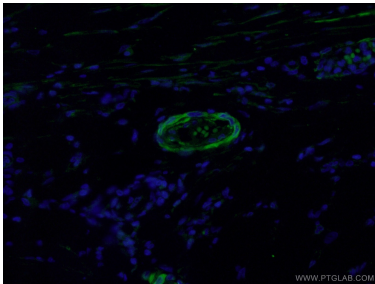
Various lysates were subjected to SDS PAGE followed by western blot with 21584-1-AP (DLL4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



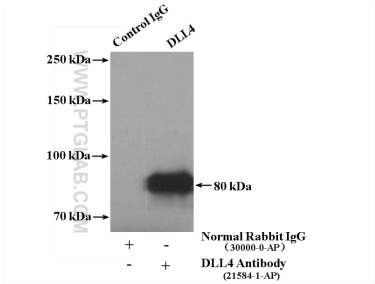
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 21584-1-AP (DLL4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 21584-1-AP (DLL4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human stomach cancer tissue using 21584-1-AP (DLL4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-DLL4 (IP:21584-1-AP, 4ug; Detection:21584-1-AP 1:300) with mouse lung tissue lysate 4000 ug.