

For Research Use Only

# DLL3 Polyclonal antibody

Catalog Number: 25535-1-AP

3 Publications



## Basic Information

Catalog Number:

25535-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21965

GenBank Accession Number:

BC000218

GeneID (NCBI):

10683

UNIPROT ID:

Q9NYJ7

Full Name:

delta-like 3 (Drosophila)

Calculated MW:

65 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF-P 1:50-1:500

## Applications

Tested Applications:

WB, IF-P, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse liver tissue, rat brain tissue

IHC : human liver tissue, mouse brain tissue

IF-P : mouse 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**

## Background Information

The Delta-Notch pathway is an evolutionarily conserved signaling pathway which controls a broad range of developmental processes including cell fate determination, terminal differentiation and proliferation (PMID: 22353464). In mammals, four Notch receptors (NOTCH1-4) and five activating canonical ligands (JAGGED1, JAGGED2, DLL1, DLL3 and DLL4) have been described (PMID: 22353464). DLL3 is an inhibitory ligand of the Notch signaling pathway that is predominantly localizes to the Golgi apparatus (PMID: 17664336) in normal condition. Normal tissue expression of DLL3 is highest in fetal brain, and DLL3 plays a key role in somitogenesis in the paraxial mesoderm (PMID: 26311731). It has been reported that DLL3 is expressed on the surface of tumor cells of small cell lung cancer (SCLC) and high-grade neuroendocrine carcinomas (LCNEC) and has emerged as a novel therapeutic target (PMID: 26311731; 28487384).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Liu	34184566	Technol Cancer Res Treat	IHC
Chong Yuan	33915517	Transl Oncol	IHC
Xin Chen	32554616	J Immunother Cancer	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

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

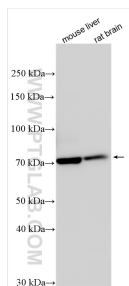
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

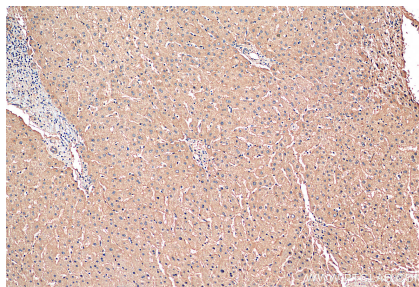
W: [ptgcn.com](http://ptgcn.com)

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

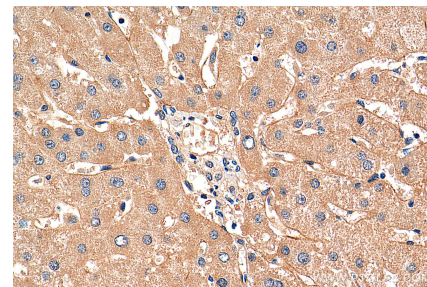
## Selected Validation Data



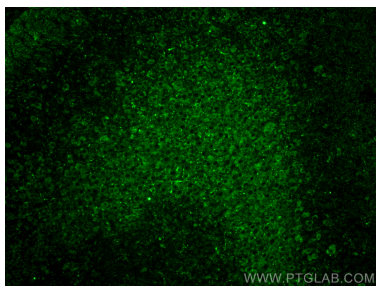
Various lysates were subjected to SDS PAGE followed by western blot with 25535-1-AP (DLL3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



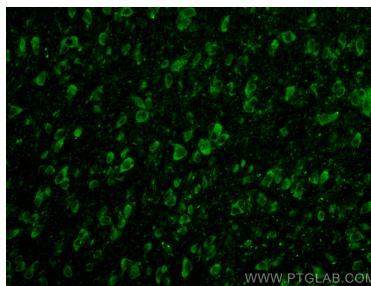
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25535-1-AP (DLL3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25535-1-AP (DLL3 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 paraffin-embedded mouse brain tissue using DLL3 antibody (25535-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using DLL3 antibody (25535-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).