

For Research Use Only

# DLL3 Polyclonal antibody

Catalog Number: 25535-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 25535-1-AP	<b>GenBank Accession Number:</b> BC000218	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10683	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> delta-like 3 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 65 kDa	
<b>Immunogen Catalog Number:</b> AG21965	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, mouse liver tissue IHC : human liver tissue, mouse brain tissue IF : mouse brain tissue,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> 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

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

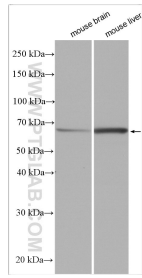
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

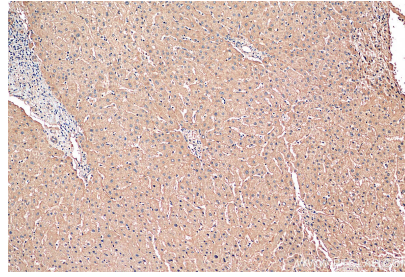
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

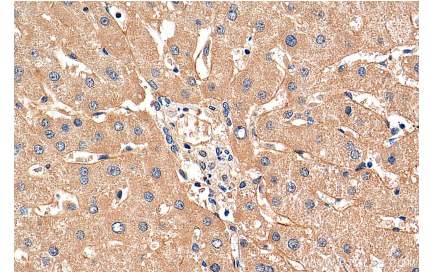
## Selected Validation Data



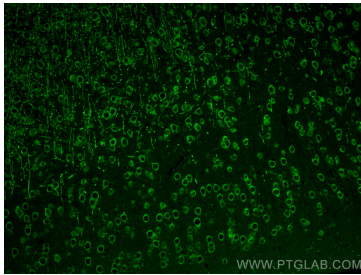
Various lysates were subjected to SDS PAGE followed by western blot with 25535-1-AP (DLL3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



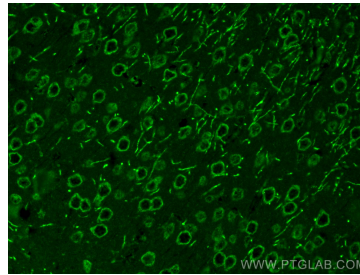
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25535-1-AP (DLL3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 mouse brain tissue using DLL3 antibody (25535-1-AP) at dilution of 1:100 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using DLL3 antibody (25535-1-AP) at dilution of 1:100 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).