

**DLL3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12393b**

**Specification**

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**DLL3 Antibody (C-term) - Product Information**

Application	IF, WB, IHC-P-Leica,E
Primary Accession	<a href="#">O9NYJ7</a>
Other Accession	<a href="#">NP_058637.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	545-573

**DLL3 Antibody (C-term) - Additional Information**

**Gene ID** 10683

**Other Names**

Delta-like protein 3, Drosophila Delta homolog 3, Delta3, DLL3

**Target/Specificity**

This DLL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 545-573 amino acids from the C-terminal region of human DLL3.

**Dilution**

IF~~1:10~50  
WB~~1:1000  
IHC-P-Leica~~1:500

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DLL3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DLL3 Antibody (C-term) - Protein Information**

**Name** DLL3

**Function** Inhibits primary neurogenesis. May be required to divert neurons along a specific

differentiation pathway. Plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm (By similarity).

#### Cellular Location

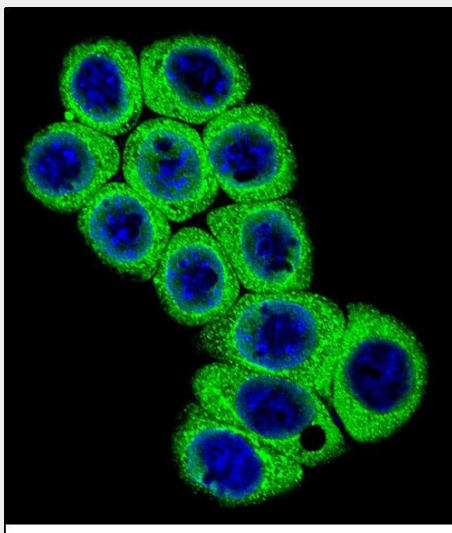
Membrane; Single-pass type I membrane protein

#### DLL3 Antibody (C-term) - Protocols

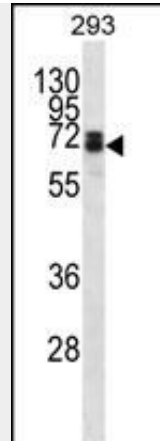
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

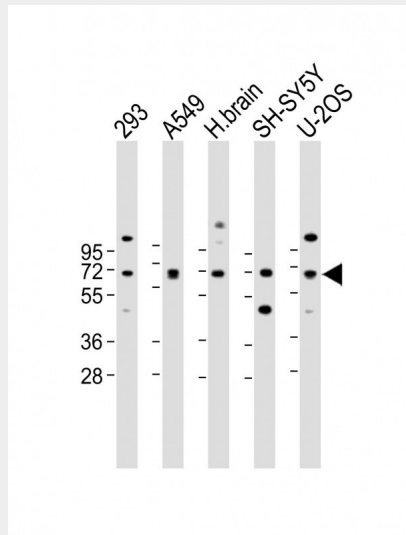
#### DLL3 Antibody (C-term) - Images



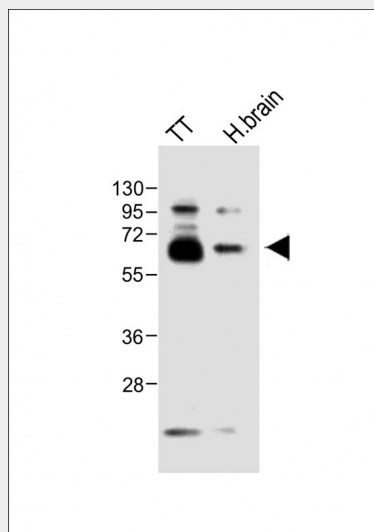
Confocal immunofluorescent analysis of DLL3 Antibody (C-term)(Cat#AP12393b) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



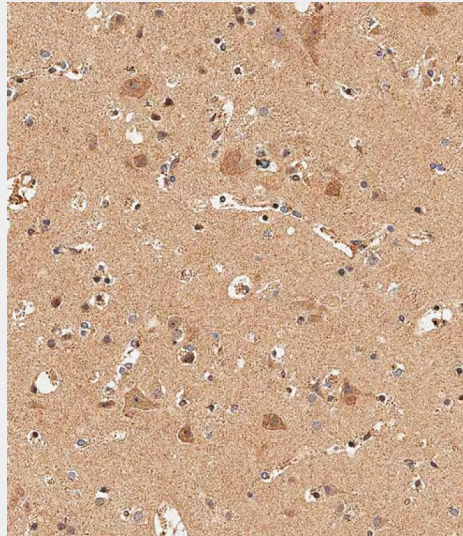
DLL3 Antibody (C-term) (Cat. #AP12393b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the DLL3 antibody detected the DLL3 protein (arrow).



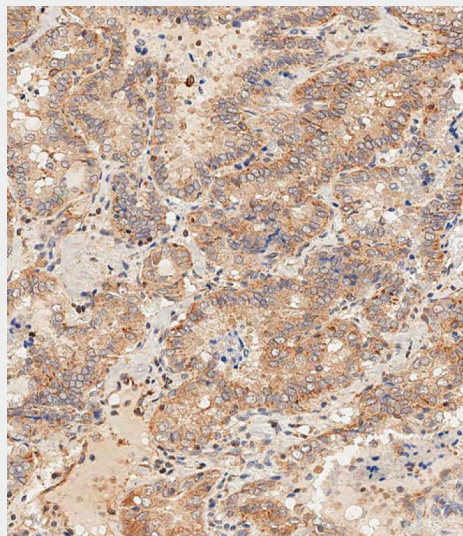
All lanes : Anti-DLL3 Antibody (C-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: A549 whole cell lysate Lane 3: Human brain lysate Lane 4: SH-SY5Y whole cell lysate Lane 5: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-DLL3 Antibody (C-term) at 1:1000 dilution Lane 1: TT whole cell lysate Lane 2: Human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using AP12393B performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded Human thyroid carcinoma tissue using AP12393B performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

### **DLL3 Antibody (C-term) - Background**

This gene encodes a member of the delta protein ligand family. This family functions as Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane

domain. Mutations in this gene cause autosomal recessive spondylocostal dysostosis 1. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq].

#### **DLL3 Antibody (C-term) - References**

Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)  
Heuss, S.F., et al. Proc. Natl. Acad. Sci. U.S.A. 105(32):11212-11217(2008)  
Maisenbacher, M.K., et al. Hum. Genet. 116(5):416-419(2005)  
Whitlock, N.V., et al. Clin. Genet. 66(1):67-72(2004)  
Bonafe, L., et al. Clin. Genet. 64(1):28-35(2003)