

**DLL3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9328B**

**Specification**

---

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

Application	IHC-P-Leica, WB, IF,E
Primary Accession	<a href="#">Q9NYJ7</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	519-548

**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 519-548 amino acids from the C-terminal region of human DLL3.

**Dilution**

IHC-P-Leica~~1:500

WB~~1:1000

IF~~1:25

E~~Use at an assay dependent concentration.

**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

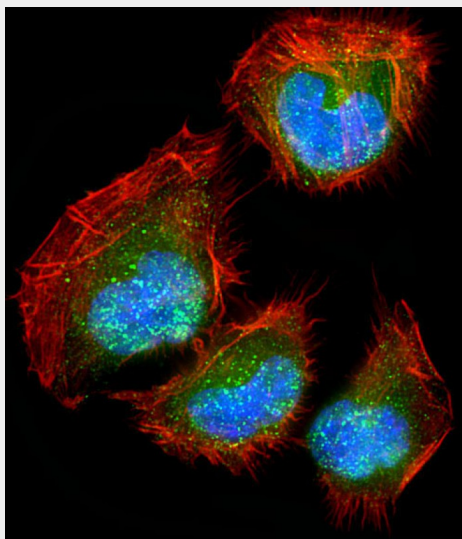
Membrane; Single-pass type I membrane protein

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

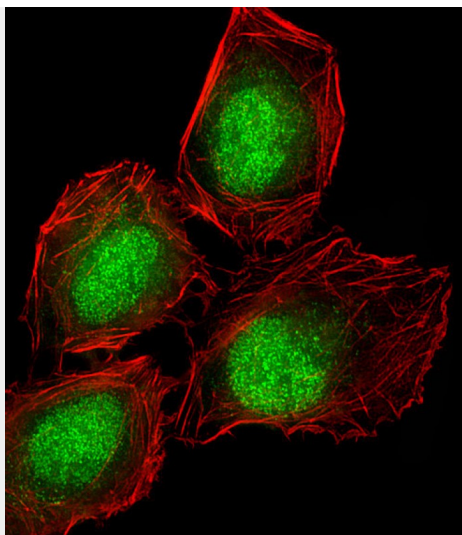
Provided below are standard protocols that you may find useful for product applications.

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

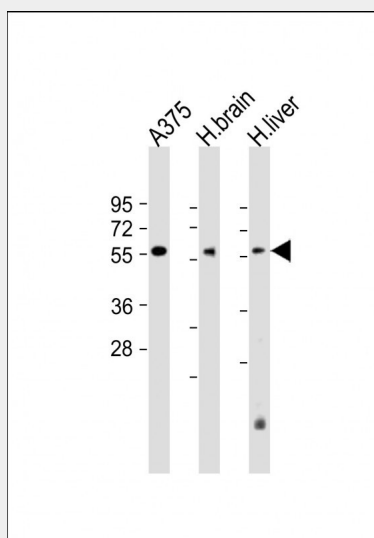
#### DLL3 Antibody (C-term) - Images



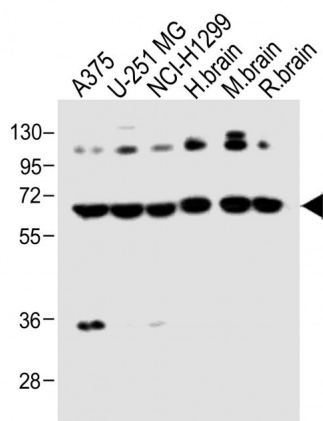
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling DLL3 with AP9328b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing nucleus and weak cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



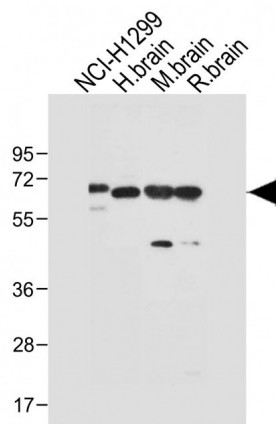
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling DLL3 with AP9328b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing nucleus and weak cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).



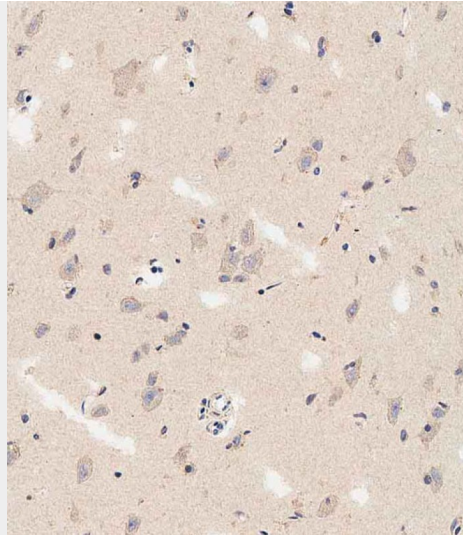
All lanes : Anti-DLL3 Antibody (C-term) at 1:2000 dilution Lane 1: A375 whole cell lysate Lane 2: human brain lysate Lane 3: human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



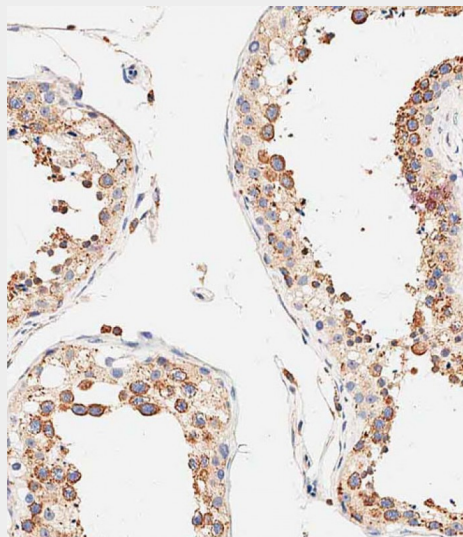
All lanes : Anti-DLL3 Antibody (C-term) at 1:1000 dilution Lane 1: A375 whole cell lysate Lane 2: U-251 MG whole cell lysate Lane 3: NCI-H1299 whole cell lysate Lane 4: Human brain lysate Lane 5: Mouse brain lysate Lane 6: Rat brain lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit 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: NCI-H1299 whole cell lysate Lane 2: Human brain tissue lysate Lane 3: Mouse brain tissue lysate Lane 4: Rat brain whole cell lysate Lysates/proteins at 20  $\mu$ g 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 AP9328B 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 testis tissue using AP9328B 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**

DLL3 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.

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

Yerges,L.M. J. Bone Miner. Res. 24 (12), 2039-2049 (2009)  
Heuss,S.F. Proc. Natl. Acad. Sci. U.S.A. 105 (32), 11212-11217 (2008)  
Maisenbacher,M.K. Hum. Genet. 116 (5), 416-419 (2005)