10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DLL3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9328B

Specification

DLL3 Antibody (C-term) - Product Information

Application	**IF, WB, IHC-P-Leica,E**
Primary Accession	Q9NYJ7
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
IF~~1:25
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).

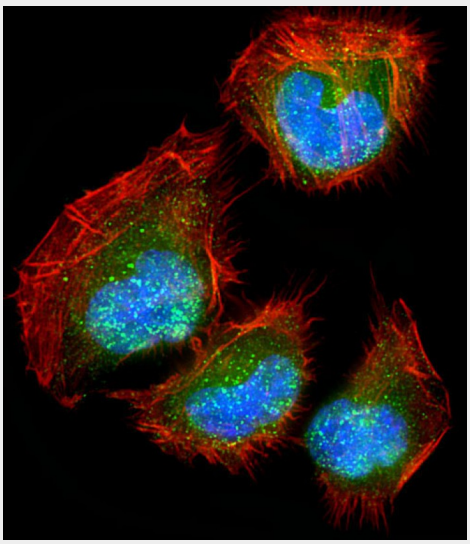
Cellular Location
Membrane; Single-pass type I membrane protein

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 Cytomety
- 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).

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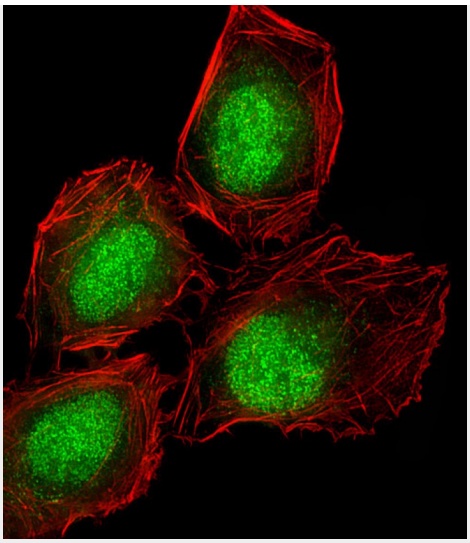

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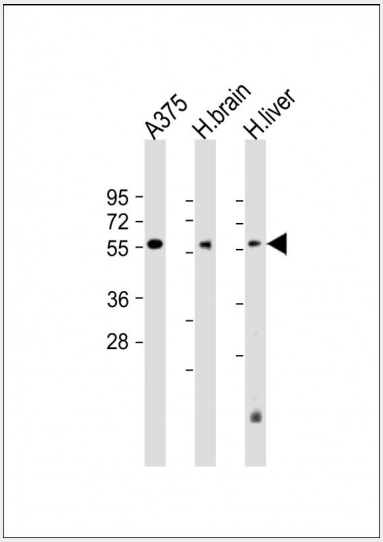

All lanes : Anti-DLL3 Antibody (C-term) at 1:2000 dilution Lane 1: A375 whole cell lysate Lane 2: human brain lysate Lane 3: human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution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

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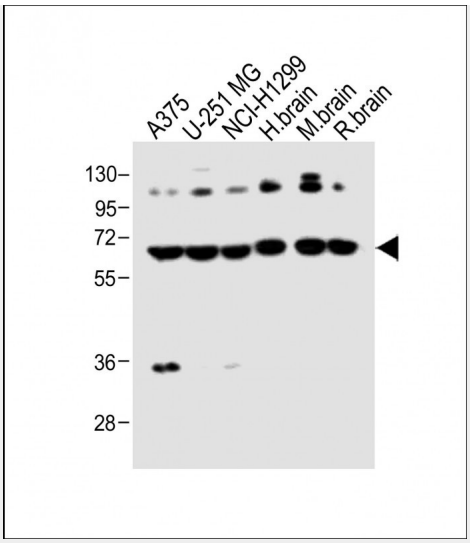
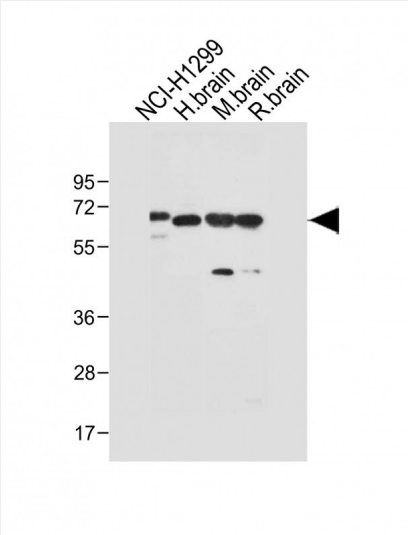
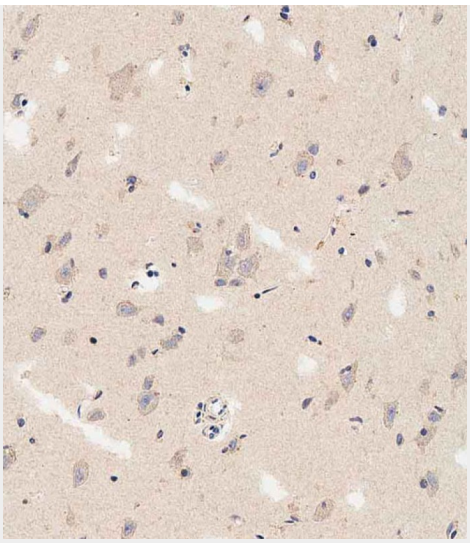


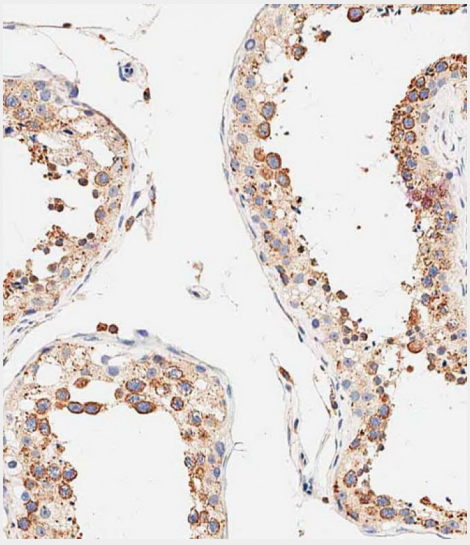
All lanes : Anti-DLL3 Antibody (C-term) at 1:1000 dilution Lane 1: A375 whole cell lysate Lane 2: U-251 MG whole cell lysate Lane 3: NCI-H1299 whole cell lysate Lane 4: Human brain lysate Lane 5: Mouse brain lysate Lane 6: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit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