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DLL4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22346a

Product Information

Application	WB, E
Primary Accession	Q9NR61
Reactivity	Human, Rat, Mouse
Predicted	Human, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB58109
Calculated MW	74605

Additional Information

Gene ID	54567
Other Names	Delta-like protein 4, Drosophila Delta homolog 4, Delta4, DLL4
Target/Specificity	This DLL4 antibody is generated from a rabbit immunized with a recombinant protein from the human region of human DLL4.
Dilution	WB~~1:2000 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	DLL4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DLL4
Function	Involved in the Notch signaling pathway as Notch ligand (PubMed:11134954). Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting (PubMed:20616313). Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (By similarity). During

spinal cord neurogenesis, inhibits V2a interneuron fate (PubMed:17728344).

Cellular Location Cell membrane; Single-pass type I membrane protein

Tissue Location Expressed in vascular endothelium.

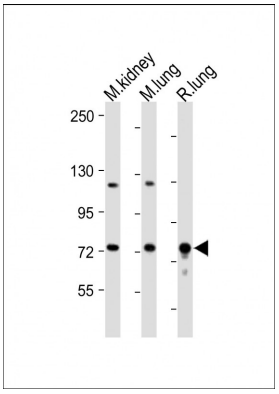
Background

Involved in the Notch signaling pathway as Notch ligand. Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation is required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types. During spinal cord neurogenesis, inhibits V2a interneuron fate.

References

Shutter J.R.,et al.Genes Dev. 14:1313-1318(2000).
Sakano S.,et al.Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
Yoneya T.,et al.J. Biochem. 129:27-34(2001).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).

Images



All lanes : Anti-DLL4 Antibody at 1:2000 dilution Lane 1: Mouse kidney lysate Lane 2: Mouse lung lysate Lane 3: Rat lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.