

DLL4 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1723a

Product Information

Application Primary Accession Reactivity Host Clonality Clone Names Isotype Calculated MW Description	WB, FC, E Q9NR61 Human Mouse Monoclonal 4A11 4A11F8 IgG2b/4A11G2 IgG1 74605 This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain.
Immunogen	Purified recombinant fragment of human DLL4 expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	54567
Other Names	Delta-like protein 4, Drosophila Delta homolog 4, Delta4, DLL4
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. 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: <u>11134954</u>). Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting (PubMed: <u>20616313</u>). 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: <u>17728344</u>).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in vascular endothelium.

References

1.Blood. 2010 Sep 30;116(13):2385-94. 2.Circ Res. 2010 Jul 23;107(2):283-93.

Images



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