DLL4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DLL4, Polyclonal Antibody
Full Product Name	DLL4 Conjugated Antibody
Product Gene Name	anti-DLL4 antibody
Product Synonym Names	hdelta2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total DLL4 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	74,605 Da
3D Structure	ModBase 3D Structure for Q9NR61
Immunogen	Fusion protein corresponding to residues near the C terminal of human delta-like 4 (Drosophila)
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DLL4 antibody	Most Applications
Application Notes for anti-DLL4 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DLL4 antibody	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.
Other Notes	Small volumes of anti-DLL4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DLL4 purchase	MBS9446877 is an antibody targeting DLL4. Also known as DLL4 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLL4. It may not necessarily be applicable to this product.

NCBI GI #	115528540

NCBI GeneID	54567
NCBI Accession #	BC106950
UniProt Primary Accession #	Q9NR61
UniProt Secondary Accession #	Q3KP23; Q9NQT9
UniProt Related Accession #	Q9NR61
NCBI Official Full Name	Homo sapiens delta-like 4 (Drosophila), mRNA
NCBI Official Synonym Full Names	delta like canonical Notch ligand 4
NCBI Official Symbol	DLL4
NCBI Official Synonym Symbols	AOS6; hdelta2
UniProt Protein Name	Delta-like protein 4
UniProt Synonym Protein Names	Drosophila Delta homolog 4; Delta4
Protein Family	Delta-like protein
UniProt Gene Name	DLL4
UniProt Synonym Gene Names	Delta4
NCBI Protein Information	delta-like protein 4
UniProt Comments for DLL4	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 (). During spinal cord neurogenesis, inhibits V2a interneuron fate (PubMed:17728344).
Research Articles on DLL4	**1.** DLL4 and JAG1 may have opposing effects on tumor angiogenesis in glioblastoma.
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