

Datasheet for ABIN3044121
anti-DLL3 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	DLL3
Binding Specificity:	AA 599-618, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLL3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Delta-like protein 3(DLL3) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human DLL3(599-618aa RAGQRQHLLFPYPSSILSVK).
Sequence:	RAGQRQHLLF PYPSSILSVK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Delta-like protein 3(DLL3) detection. Tested with WB in Human. Gene Name: delta-like 3(Drosophila) Protein Name: Delta-like protein 3

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: DLL3

Alternative Name: DLL3 ([DLL3 Products](#))

Background: DLL3(DELTA-LIKE 3) also known as DELTA, DROSOPHILA, HOMOLOG OF, is a protein which in humans is encoded by the DLL3 gene. This gene 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. Mutation in the mouse delta-like 3 gene(Dll3), which is homologous to the Notch-ligand delta in Drosophila, results in the mouse 'pudgy' phenotype. The human DLL3 gene was identified within a critical interval, mapped in 2 consanguineous Arab-Israeli and Pakistani SCDO1 pedigrees, of 7.8 cM at 19q13.1-q13.3 between D19S570 and D19S908(Bulman et al., 2000). Dunwoodie et al.(1997) presented results suggesting that mouse Dll3 may complement the function of other delta homologs during early pattern formation in the mouse embryo. In humans, the fact that mutations in genes required for oscillation, such as DLL3, result in abnormal segmentation of the vertebral column suggests that the segmentation clock also acts during human embryonic development. This residue is highly conserved in Delta proteins from Drosophila to humans, and the substitution of a charged polar for a nonpolar residue may disrupt the conformation of the DLL3 protein.

Synonyms: Delta Drosophila like 3 antibody|Delta like 3 Drosophila antibody|Delta like 3 homolog Drosophila antibody|Delta like 3 protein antibody|Delta like protein 3 precursor antibody|Delta-like protein 3 antibody|Delta3 antibody|Dll3 antibody|DLL3_HUMAN antibody|Drosophila Delta homolog 3 antibody|SCDO1 antibody|SCOD1 antibody|Spondylocostal dysostosis autosomal recessive antibody

Pathways: [Notch Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for DLL3 is approximately 0.5 ng/lane under reducing conditions.

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.

Other applications have not been tested. Optimal dilutions should be determined by end users.

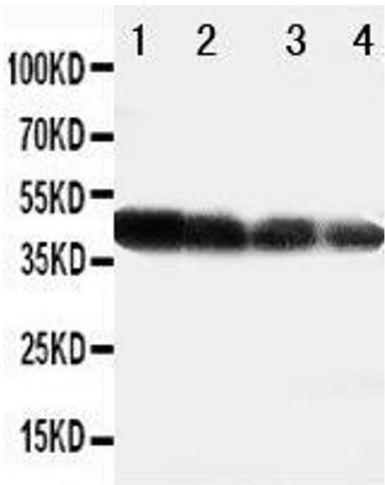
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-DLL3 antibody, Western blotting All lanes: Anti DLL3 at 0.5ug/ml Lane 1: Recombinant Human DLL3 Protein 10ng Lane 2: Recombinant Human DLL3 Protein 5ng Lane 3: Recombinant Human DLL3 Protein 2.5ng Lane 4: Recombinant Human DLL3 Protein 1.25ng Predicted bind size: 41KD Observed bind size: 41KD