ARG64896
anti-DLL1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DLL1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DLL1
Species	Human
Immunogen	C-ATQRHLTVGEEWSQD
Conjugation	Un-conjugated
Alternate Names	DELTA1; H-Delta-1; Drosophila Delta homolog 1; Delta-like protein 1; DL1; Delta1; Delta

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml
WB	0.3 - 7 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

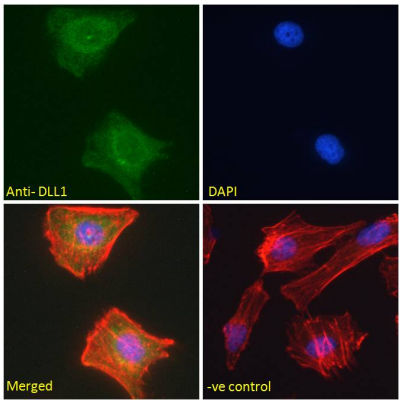
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

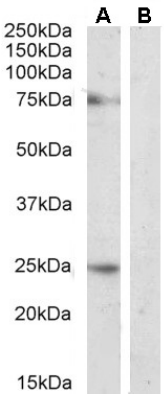
Background	DLL1 is a human homolog of the Notch Delta ligand and is a member of the delta/serrate/jagged family. It plays a role in mediating cell fate decisions during hematopoiesis. It may play a role in cell-to-cell communication. [provided by RefSeq, Jul 2008]
Research Area	Developmental Biology antibody; Gene Regulation antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	78 kDa
PTM	Ubiquitinated by MIB (MIB1 or MIB2), leading to its endocytosis and subsequent degradation (By similarity). Ubiquitinated; promotes recycling back to the plasma membrane and confers a strong affinity for NOTCH1. Multi-ubiquitination of LYS-613 by MIB1 promotes both cis and trans-interaction with NOTCH1, as well as activation of Notch signaling. Ubiquitinated by NEURL1B (By similarity). Phosphorylated in a membrane association-dependent manner. Phosphorylation at Ser-697 requires the presence of Ser-694, whereas phosphorylation at Ser-694 occurs independently of the other site. Phosphorylation is required for full ligand activity in vitro and affects surface presentation, ectodomain shedding, and endocytosis. O-fucosylated. Can be elongated to a disaccharide by MFNG.

Images



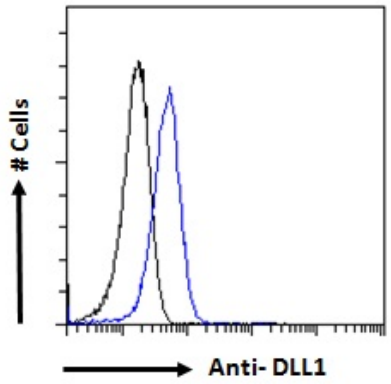
ARG64896 anti-DLL1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG64896 anti-DLL1 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Phalloidin (red) for Actin filaments staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG64896 anti-DLL1 antibody WB image

Western blot: 35 µg of Rat pancreas lysate (in RIPA buffer) with (B) and without (A) blocking peptide. The blots were stained with ARG64896 anti-DLL1 antibody at 2 µg/ml dilution and incubated at RT for 1 hour.



ARG64896 anti-DLL1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG64896 anti-DLL1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).