

Product datasheet

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ARG42726 anti-delta 1 Catenin phospho (Tyr228) antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes delta 1 Catenin phospho (Tyr228)

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name delta 1 Catenin

Species Human

Immunogen Phosphospecific peptide around Tyr228 of Human delta 1 Catenin.

Conjugation Un-conjugated

Alternate Names p120 catenin; p120; CAS; P120CAS; CTNND; p120(CAS); cas; Catenin delta-1; Cadherin-associated Src

substrate; p120(CTN); P120CTN; ctn

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:20
	IHC-P	1:20
	IP	1:20
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form Liquid

Purification Affinity purified.

Buffer 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.

Preservative 0.01% Sodium azide

Stabilizer 40% Glycerol and 0.05% BSA

Concentration Batch dependent

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. 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.

Bioinformation

Gene Symbol CTNND1

Gene Full Name catenin (cadherin-associated protein), delta 1

Background This gene encodes a member of the Armadillo protein family, which function in adhesion between cells

and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length natures of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene. [provided by RefSeq, Dec 2010]

Function Binds to and inhibits the transcriptional repressor ZBTB33, which may lead to activation of target genes

of the Wnt signaling pathway (By similarity). Associates with and regulates the cell adhesion properties of both C-, E- and N-cadherins, being critical for their surface stability. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and

ERBB2 receptors. Promotes GLIS2 C-terminal cleavage. [UniProt]

Calculated Mw 108 kDa

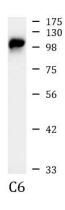
PTM Phosphorylated by FER and other protein-tyrosine kinases. Phosphorylated at Ser-288 by PAK5.

Dephosphorylated by PTPRJ. [UniProt]

Cellular Localization Cytoplasm. Nucleus. Cell membrane. Note=Interaction with GLIS2 promotes nuclear translocation (By

similarity). Detected at cell-cell contacts (PubMed:15240885, PubMed:17047063). NANOS1 induces its translocation from sites of cell-cell contact to the cytoplasm (PubMed:17047063). CDH1 enhances cell membrane localization (PubMed:15240885). Isoforms 4A and 1AB are excluded from the nucleus (PubMed:11896187). Isoform 1A: Nucleus. Isoform 2A: Nucleus. Isoform 3A: Nucleus. [UniProt]

Images



ARG42726 anti-delta 1 Catenin phospho (Tyr228) antibody WB image

Western blot: C6 cell lysate stained with ARG42726 anti-delta 1 Catenin phospho (Tyr228) antibody at 1:1000 dilution.