

Product Name: KD-Validated Catenin Delta 1 Mouse Monoclonal Antibody**Catalog #: KVA00682**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 108.2kDa

Antigen Information

Gene Name	CTNND1 CTNND1; Catenin Delta 1; KIAA0384; P120; Catenin (Cadherin-Associated Protein), Delta 1;
Alternative Names	Cadherin-Associated Src Substrate; Catenin Delta-1; P120 Catenin; P120CAS; P120CTN; CTNND; CAS; P120(CAS); P120(CTN); P120(Ctn); P120(Cas); P120cas; P120ctn; BCDS2
Gene ID	1500.0
SwissProt ID	O60716
Immunogen	Recombinant protein of human CTNND1

Background

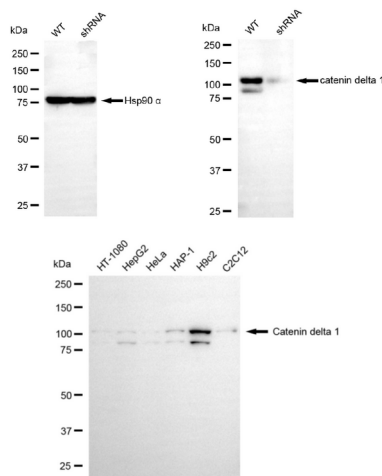
This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the

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]

Research Area

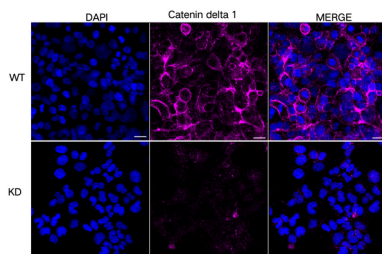
Signal Transduction, Stem Cells

Image Data

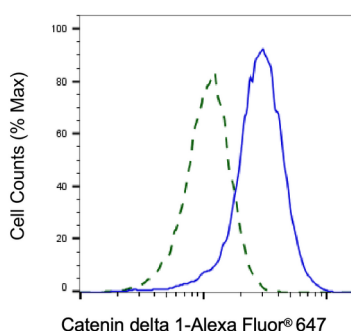


Western blotting analysis using catenin delta 1 antibody (KVA00682). Catenin delta 1 expression in wild type (WT) and catenin delta 1 (CTNND1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with catenin delta 1 antibody (KVA00682, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.

Western blotting analysis using catenin delta 1 antibody (KVA00682). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with catenin delta 1 antibody (KVA00682, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using Catenin delta 1 antibody (KVA00682, 1:1,000), Top panel: wild-type (WT); Bottom panel: Catenin delta 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Catenin delta 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of Catenin delta 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Catenin delta 1 antibody (KVA00682, 1:2,000) and analyzed using BD flow cytometer.