
Product Name: KD-Validated Catenin delta 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01634

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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; IHC-P 1:100-1:200
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	A synthesized peptide derived from human delta 1 Catenin/p120 Catenin

Background

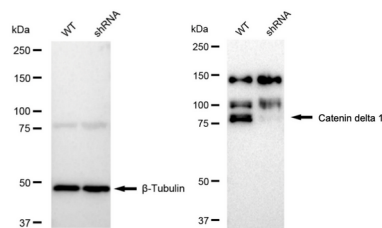
This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the

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]

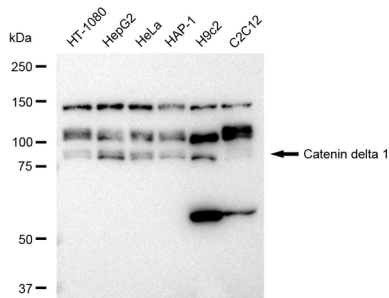
Research Area

Signal Transduction, Stem Cells

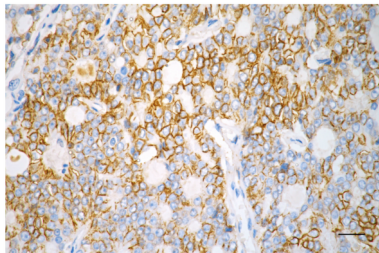
Image Data



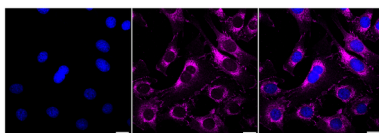
Western blotting analysis using catenin delta 1 antibody (KVAb01634). Catenin delta 1 expression in wild type (WT) and catenin delta 1 (CTNND1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with catenin delta 1 antibody (KVAb01634, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



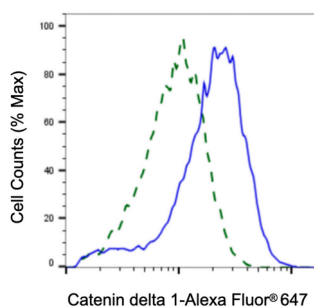
Western blotting analysis using Catenin delta 1 antibody (KVAb01634). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Catenin delta 1 antibody (KVAb01634, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



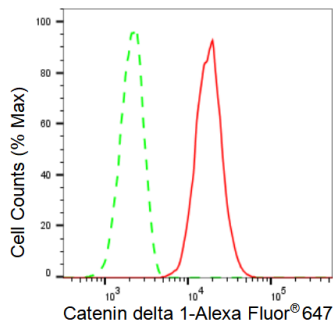
Immunohistochemistry was performed on paraffin-embedded human prostatic adenocarcinoma using catenin delta 1 antibody (KVAb01634, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of C2C12 cells with Catenin delta 1 antibody (KVAb01634, 1:1,000). Nuclei were stained blue with DAPI; Catenin delta 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. 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 (KVAb01634, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Catenin delta 1 expression in C2C12 cells using Catenin delta 1 antibody (KVA01634, 1:2,000). Green, isotype control; red, Catenin delta 1.