SICGEN ANTIBODIES

# Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB0095-200 | 600 µg |

## Anti-beta-Catenin

**Source:** Goat

**General description:** Goat polyclonal antibody to Catenin (cadherin-associated protein), beta 1. Beta Catenin is a 88 kDa protein and is a key downstream effector in the Wnt signalling pathway. It is involved in early embryonic development and tumorigenesis. Beta Catenin is part of a complex of proteins that constitute adherens junctions, necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. This protein anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete.

**Alternative names:** cadherin-associated protein, CTNNB, CTNNB1, MRD19, armadillo antibody.

**Form:** Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide derived from within residues 731 aa to the C-terminus of human beta Catenin produced in E. coli.

**Specificity:** Detects a band of approximately 95 kDa by Western blot in MNT1 and SH-SY5Y cell lysates.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

| Sample | WB | IHC (F) | IHC (P) | IF | ELISA |
|---|---|---|---|---|---|
| Human | +++ | +++ | +++ | +++ | ND |
| Rat | +++ | +++ | +++ | +++ | ND |
| Mouse | +++ | +++ | +++ | +++ | ND |
| Canine | +++ | +++ | +++ | +++ | ND |
| Monkey | +++ | +++ | +++ | +++ | ND |

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

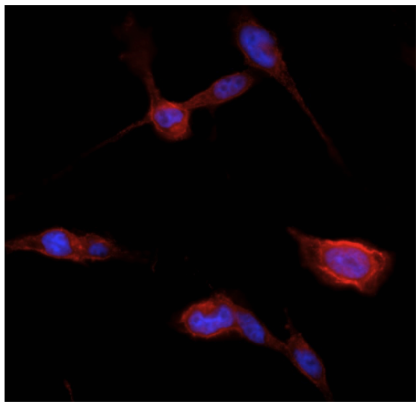
| | |
|---|---|
| WB: | 1:500-1:2,000 |
| IF: | 1:50-1:250 |
| IHC (P): | 1:250-1:1,000 |
| IHC (P): | 1:250-1:1,000 |

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

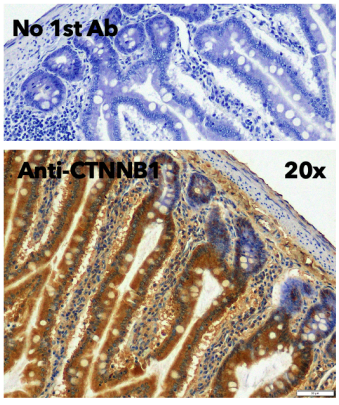
**Special instructions:** The antibody solution should be gently mixed before use..

**References:**

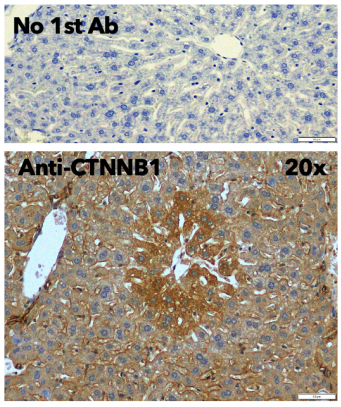

1. Armando F, Gambini M, Corradi A, et al. J Cell Mol Med 2020 Aug PMID: 32627957
2. Armando F, Godizzi F, Razzuoli E, et al. Animals (Basel) 2020 Dec. PMID: 33297475
3. Balashova OA, Visina O, Borodinsky LN. Development 2017 Mar 2. PMID: 28255006

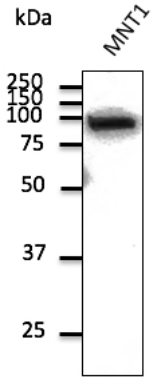
Confocal immunofluorescence – anti-Catenin beta1 Ab in BEAS-2B cells at 1/250 dilution; cells were fixed with 4% of PFA;



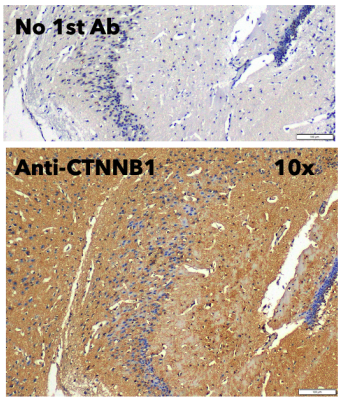

IHC of mouse intestine using anti-CTNNB1 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CTNNB1 Ab at 1:500/DAB detection;



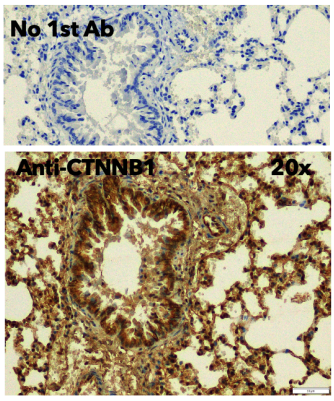

IHC of mouse liver using anti-CTNNB1 antibody and FFPE tissue after heat-induced antigenretrieval. Anti-CTNNB1 Ab at 1:500/DABdetection;



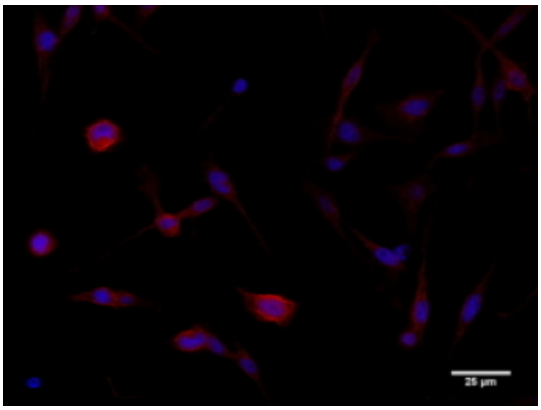

Anti-beta-Catenin Ab at 1/1,000 dilution; lysate at 100 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



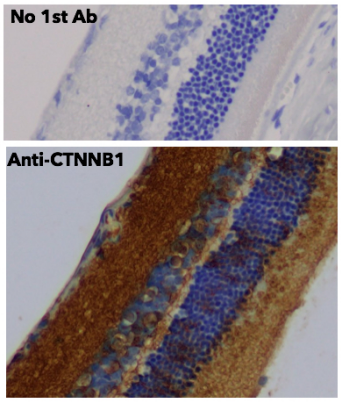

IHC of mouse brain using anti-CTNNB1 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CTNNB1 Ab at 1:500/DAB detection;




IHC of mouse lung using anti-CTNNB1 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CTNNB1 Ab at 1:500/DAB detection;



Confocal immunofluorescence – anti-Catenin beta1 Ab in BEAS-2B cells at 1/250 dilution; cells were fixed with 4% of PFA;




IHC of mouse retina using anti-CTNNB1 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CTNNB1 Ab at 1:500/DAB detection;

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.