SICGEN ANTIBODIES

Product Data Sheet

001 Rev1 Jan 2012 by JR

Catalogue No. AB0095-200
Qty: 600 µg (3 mg/ml)

Catenin beta 1 Polyclonal Antibody

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 against human, rat, mouse, canine and monkey proteins.

Sample	**Western blot**	**Immuno-fluorescence**	**Histochemistry** (paraffin)	**Histochemistry** (frozen)
human	+++	+++	ND	ND
rat	+++	+++	ND	ND
mouse	+++	+++	ND	ND
canine	+++	+++	ND	ND
monkey	+++	+++	ND	ND

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

Usage: Western blot	1:500-1:2,000
Immunofluorescence	1:50-1:250
Immunohistochemistry (paraffin)	ND
Immunohistochemistry (frozen)	ND

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles.

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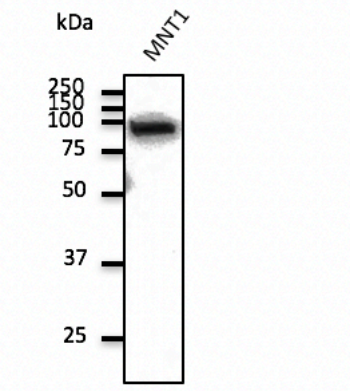
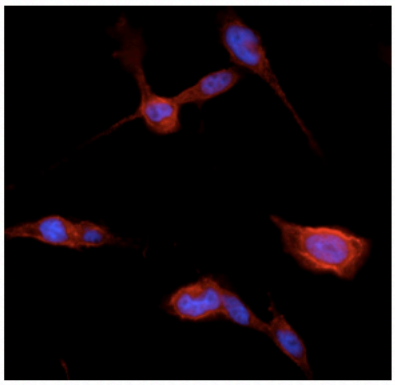
References:

1. Balashova OA, Visina O, Borodinsky LN. Development. 2017 Mar 2. PMID:28255006



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;



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

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.

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