

Datasheet for ABIN6139205
anti-CTNNB1 antibody (AA 1-100)



[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CTNNB1
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTNNB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human beta-Catenin (NP_001895.1).
Sequence:	MATQADLMEL DMAMEPDRKA AVSHWQQQSY LDSGIHSGAT TTAPSLSGKG NPEEEDVDTS QVLYEWEQGF SQSFTQEQA DIDGQYAMTR AQRVRAAMFP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CTNNB1
Alternative Name:	CTNNB1 (CTNNB1 Products)
Background:	The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also 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. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.,CTNNB,MRD19,armadillo,beta Catenin,CTNNB1,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Invasion and Metastasis,Signal Transduction,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Cell Adhesion,Cadherins,Tight Junctions,Cytoskeleton,Microfilaments,Wnt/β-Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Immunology & Inflammation,Neuroscience,Stem Cells,Cardiovascular,Angiogenesis,CTNNB1
Molecular Weight:	85 kDa
Gene ID:	1499
UniProt:	P35222
Pathways:	WNT Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Peptide Hormone Metabolism , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Tube Formation , Maintenance of Protein Location , Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

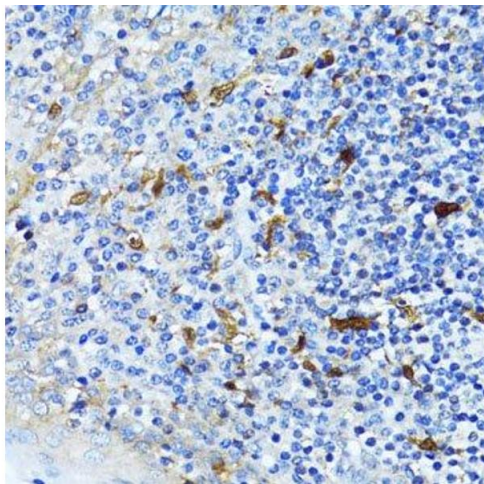
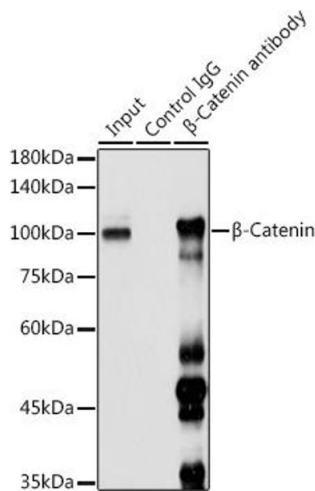
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Zhou, Liang, Jiang, Yu, Zeng, Tao: "Mild hypothermia protects against oxygen glucose deprivation/reoxygenation-induced apoptosis via the Wnt/ β -catenin signaling pathway in hippocampal neurons." in: Biochemical and biophysical research communications , Vol. 486, Issue 4, pp. 1005-1013, (2017) (PubMed).
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Images



Immunoprecipitation

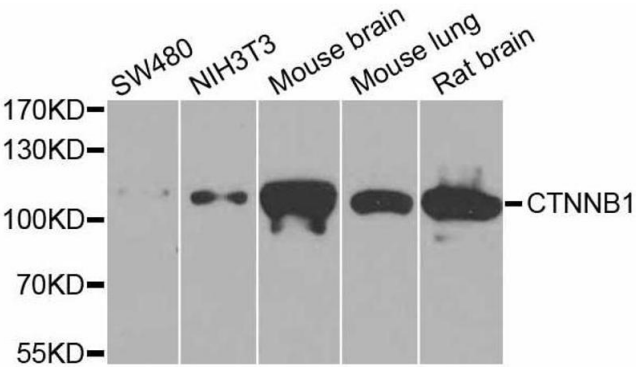
Image 1. Immunoprecipitation analysis of 300 μ g extracts of 293T cells using 3 μ g β -Catenin antibody (ABIN6134299, ABIN6139205, ABIN6139208 and ABIN6215244). Western blot was performed from the immunoprecipitate using β -Catenin antibody (ABIN6134299, ABIN6139205, ABIN6139208 and ABIN6215244) at a dilution of 1:1000.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human tonsil using CTNNB1 antibody.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CTNNB1 antibody.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6139205.