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Datasheet for ABIN738621

anti-beta Catenin antibody (AA 661-781)

15 Images

8 Publications

Overview

Quantity:	100 µL
Target:	beta Catenin (CATNB)
Binding Specificity:	AA 661-781
Reactivity:	Human, Mouse, Rat, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Catenin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Beta catenin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat, Zebrafish (Danio rerio)
Predicted Reactivity:	Cow, Sheep, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	beta Catenin (CATNB)
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Target Details

Alternative Name:	Beta catenin (CATNB Products)
Background:	<p>Synonyms: CTNNB, MRD19, armadillo, Catenin beta-1, Beta-catenin, CTNNB1, OK/SW-cl.35, PRO2286</p> <p>Background: Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes. Involved in the regulation of cell adhesion. Acts as a negative regulator of centrosome cohesion.</p> <p>Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization. Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2. Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML.</p>
Gene ID:	1499
UniProt:	P35222
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL

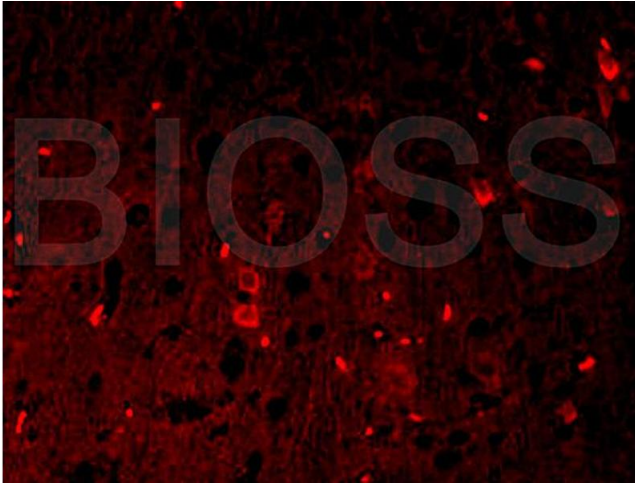
Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

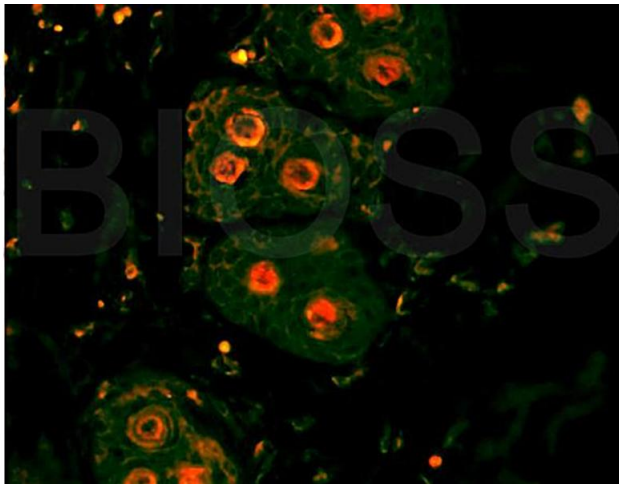
- Product cited in:
- Zhu, Shen, Xu, Chen, Huang: "Suppression of Wnt5a, but not Wnts, relieves chronic post-thoracotomy pain via anti-inflammatory modulation in rats." in: **Biochemical and biophysical research communications**, Vol. 493, Issue 1, pp. 474-480, (2017) ([PubMed](#)).
- Yang, Liu, Miao, Yang, Fu, Dou, Cai, Zong, Tan, Chen, Wang: "Induction of VEGFA and Snail-1 by meningitic Escherichia coli mediates disruption of the blood-brain barrier." in: **Oncotarget**, Vol. 7 , Issue 39, pp. 63839-63855, (2016) ([PubMed](#)).
- Zheng, Liu, Li, Tang, Zhang, Tang: "Lithium posttreatment confers neuroprotection through glycogen synthase kinase-3 β inhibition in intracerebral hemorrhage rats." in: **Journal of neurosurgery**, pp. 1-9, (2016) ([PubMed](#)).
- Qi, Li, Xu, Chang, Shu, Zhou: "Therapeutic role of human hepatocyte growth factor (HGF) in treating hair loss." in: **PeerJ**, Vol. 4, pp. e2624, (2016) ([PubMed](#)).
- Zhang, Shi, Song, Sun, Yang, Li: "BAMBI Promotes C2C12 Myogenic Differentiation by Enhancing Wnt/?-Catenin Signaling." in: **International journal of molecular sciences**, Vol. 16, Issue 8, pp. 17734-45, (2015) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



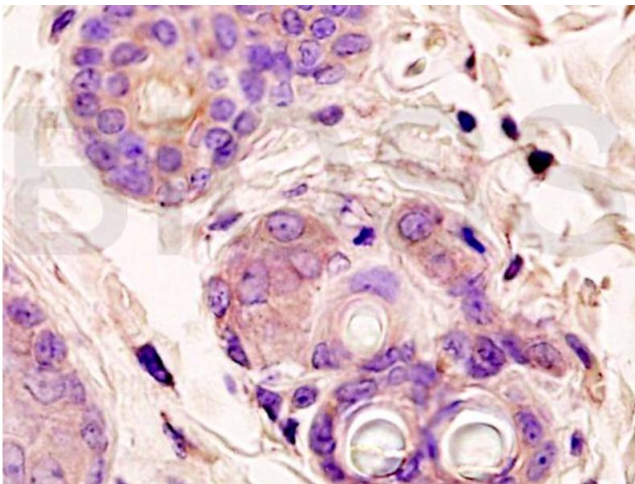
Immunofluorescence

Image 1. Formalin-fixed and paraffin-embedded rat brain labeled with Anti- β -catenin/Catenin β Polyclonal Antibody, Unconjugated (ABIN738621) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated used at 1:200 dilution for 40 minutes at 37°C.



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded rat skin labeled with Anti- β -catenin/Catenin β Polyclonal Antibody, Unconjugated (ABIN738621) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated used at 1:200 dilution for 40 minutes at 37°C.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat skin labeled with Anti- β -catenin/Catenin β Polyclonal Antibody, Unconjugated (ABIN738621) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 15 images are available for ABIN738621.