

Mouse Catenin, beta (CTNNB1) Monoclonal Antibody | anti-CTNNB1 antibody

Catenin, beta (CTNNB1)

CATALOG # AAA62942	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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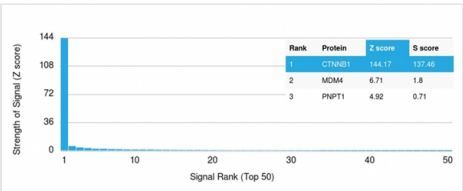
PRODUCT SYNONYMS

Catenin; beta (CTNNB1); Monoclonal Antibody; Cadherin associated protein; beta 1 88kDa; Catenin beta-1; CATNB; CHBCAT; CTNNB1; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

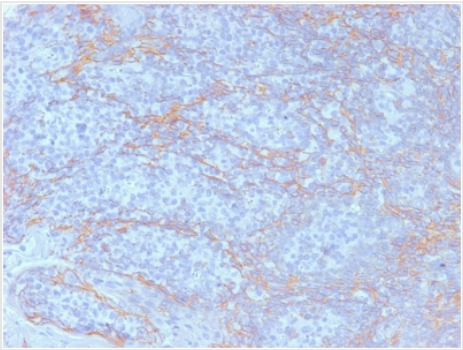
Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	CTNNB1/2098
Specificity	Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. In normal tissues, beta-catenin is localized to the membrane of epithelial cells, consistent with its role in the cell adhesion complex. In breast ductal neoplasia, beta-catenin is usually localized in cellular membranes. However, in lobular neoplasia, a marked redistribution of beta-catenin throughout the cytoplasm results in a diffuse cytoplasmic pattern. Immuno-staining of beta-catenin and E-cadherin is helps in the accurate identification of ductal and lobular neoplasms, including a distinction between low-grade ductal carcinoma in situ (DCIS) and lobular carcinoma. Additionally, some rectal and gastric adenocarcinomas demonstrate diffuse cytoplasmic beta-catenin staining and a lack of membranous staining, mimicking the staining pattern observed with lobular breast carcinomas.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	781
Applicable Applications for anti-CTNNB1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human beta-Catenin (CTNNB1) protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	3p22.1
Positive Control	HeLa or MCF-7 cells. Breast carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

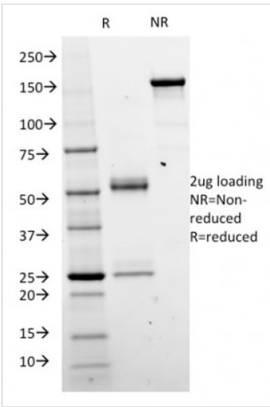


Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Catenin, beta (CTNNB1) Mouse Monoclonal Antibody (CTNNB1/2098). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Mouse Monoclonal Antibody (CTNNB1/2098).



SDS-PAGE
SDS-PAGE Analysis Purified Beta-Catenin Mouse Monoclonal Antibody (CTNNB1/2098). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Mastracci TL et. al. Mod Path. 2005; 18:741-751. Sarrio D et. al. Oncogene. 2004; 23:3272-3283. Dabbs DJ et. al. Am J Surg Path. 2007; 31:427-437.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148233338
NCBI GeneID	1499
NCBI Accession #	NP_001091679.1
NCBI GenBank Nucleotide #	NM_001098209.1
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	92kDa
NCBI Official Full Name	catenin beta-1 isoform 1
NCBI Official Synonym Full Names	catenin beta 1
NCBI Official Symbol	CTNNB1
NCBI Official Synonym Symbols	EVR7; CTNNB; MRD19; armadillo
NCBI Protein Information	catenin beta-1

UniProt Protein Name	Catenin beta-1
UniProt Gene Name	CTNNB1
UniProt Synonym Gene Names	CTNNB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/catenin-beta-ctnnb1-antibody-clone-ctnnb1-2098-immunohistochemistry-elisa/62942>