

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

Catenin, beta (CTNNB1)

CATALOG # AAA62950	HOST Rabbit	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	Rabbit
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	CTNNB1/2030R
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 by Protein A Column. 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 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) Recombinant Rabbit Monoclonal Antibody (CTNNB1/2030R). 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 HuProt™ 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 HuProt™ 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.



SDS-PAGE

SDS-PAGE Analysis of Purified Beta-Catenin Recombinant Rabbit Monoclonal Antibody (CTNNB1/2030R).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Beta-Catenin Recombinant Rabbit Monoclonal Antibody (CTNNB1/2030R).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin Recombinant Rabbit Monoclonal Antibody (CTNNB1/2030R).

ADDITIONAL INFORMATION

References	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

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