

Mouse Catenin, beta Monoclonal Antibody | anti-CTNNB1 antibody

Catenin, beta (p120)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62945	Mouse	Human, Cow, Dog, Chicken. Others not known.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

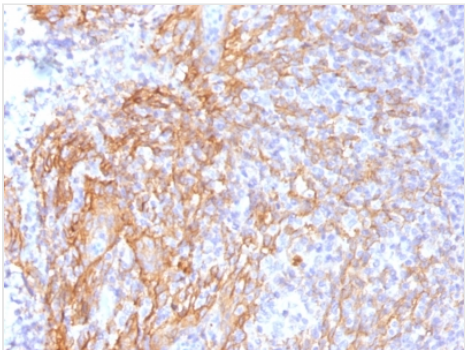
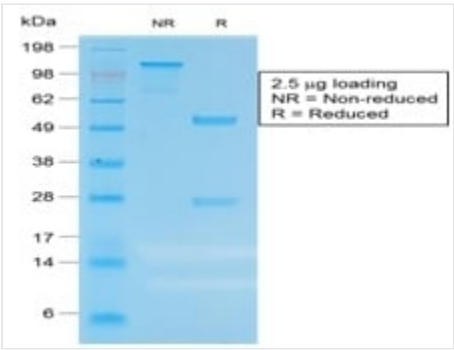
PRODUCT SYNONYMS

Catenin; beta; Monoclonal Antibody; beta (p120); Cadherin associated protein; beta 1 88kDa; Catenin beta-1; CATNB; CHBCAT; CTNNB1; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow, Dog, Chicken. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	6F9
Specificity	This MAb recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin-associated protein, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.
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), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant chicken ?-catenin
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



SDS-PAGE

SDS-PAGE Analysis of Purified CEA Rabbit Recombinant Monoclonal Antibody (C66/1983R).

IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Monoclonal Antibody (6F9).

ADDITIONAL INFORMATION

References	Knudsen KA, Soler AP, Johnson KR, Wheelock MJ. Interaction of alpha-actinin with the cadherin/catenin cell-cell adhesion complex via alpha-catenin. J Cell Biol. 1995; 130(1): 67-77. Sacco, PA; McGranahan TM; Wheelock, MJ; Johnson, KR. Identification of plakoglobin domains required for association with N-cadherin and alpha-catenin. J Biol Chem 1995, 270: 20201-6.

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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