

Mouse Catenin, beta Monoclonal Antibody | anti-CTNNB1 antibody

Catenin, beta (p120)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62946	Mouse	Human, Cow, Dog, Chicken. Others not known.	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

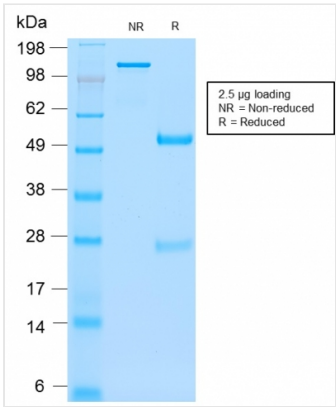
PRODUCT SYNONYMS

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

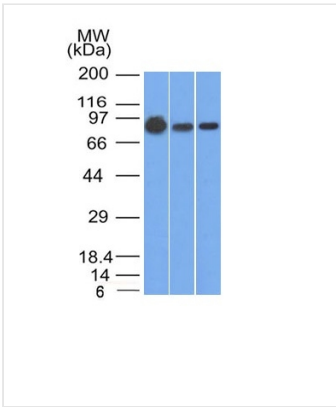
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow, Dog, Chicken. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	9F2
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	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	A431, A549 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 Purified CEA Rabbit Recombinant Monoclonal Antibody (C66/2055R).



WB (Western Blot)
Western Blot of A431, A549 and MCF-7 Cell Lysates using Catenin, beta Mouse Monoclonal Antibody (9F2)

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.
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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.