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36-2133: Anti-Catenin, beta (p120) Monoclonal Antibody(Clone: 12F7)

Clonality :	Monoclonal
Clone Name :	12F7
Application :	FACS,IF,WB
Reactivity :	Human, Mouse, Rat
Gene :	CTNNB1
Gene ID :	1499
Uniprot ID :	P35222
Alternative Name :	Cadherin associated protein, beta 1 88kDa, Catenin beta-1, CATNB, CHBCAT, CTNNB1
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fusion protein consisting of the N-terminal half of human beta-Catenin fused to maltose binding protein

Description

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 throÂµghout 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

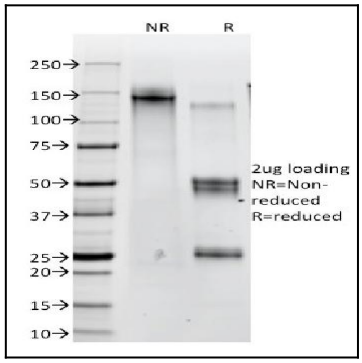

Fig. 1: SDS-PAGE Analysis of Purified Catenin, beta Mouse Monoclonal Antibody (12F7). Confirmation of Purity and Integrity of Antibody

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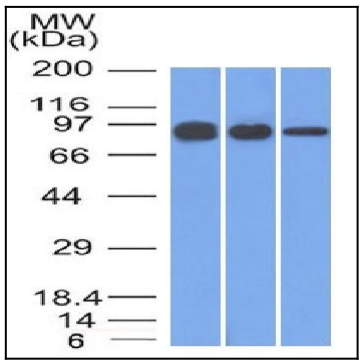

Fig. 2: Western Blot of A431, A549 and MCF-7 cell lysates using Catenin, beta Mouse Monoclonal Antibody (12F7)