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36-2136: Anti-Catenin, beta (p120) Monoclonal Antibody(Clone: 6F9)

Clonality :	Monoclonal
Clone Name :	6F9
Application :	FACS,IF,WB,IHC
Reactivity :	Human
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 chicken β-catenin

Description

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.

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); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

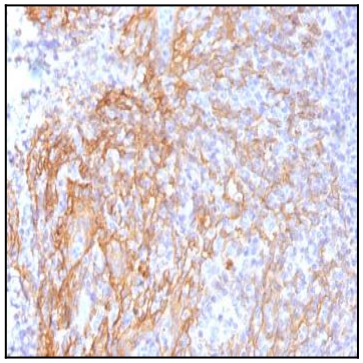

Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Monoclonal Antibody (6F9).

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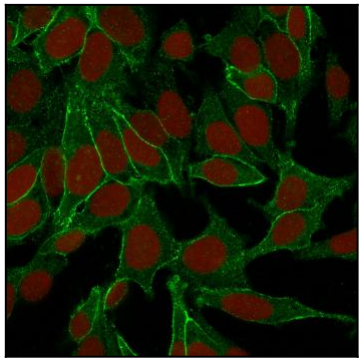

Fig. 2: Confocal immunofluorescence image of HeLa cells using Beta-Catenin (p120) Monoclonal Antibody (6F9). Green (CF488) and Reddot is used to label the nuclei.

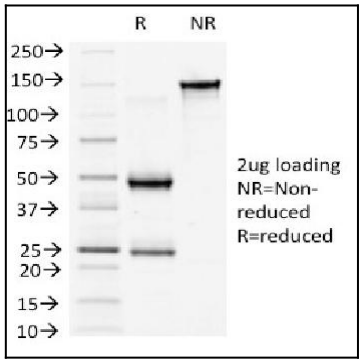

Fig. 3: SDS-PAGE Analysis of Purified Beta-Catenin (p120) Monoclonal Antibody (6F9). Confirmation of Purity and Integrity of Antibody

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