

## 36-2134: Anti-Catenin, beta (p120) Monoclonal Antibody(Clone: 15B8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	15B8
<b>Application :</b>	FACS,IF,WB,IHC
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	CTNNB1
<b>Gene ID :</b>	1499
<b>Uniprot ID :</b>	P35222
<b>Alternative Name :</b>	Cadherin associated protein, beta 1 88kDa, Catenin beta-1, CATNB, CHBCAT, CTNNB1
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant chicken $\beta$ -catenin

### 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 throughout the cytoplasm results in a diffuse cytoplasmic pattern. Immuno-staining of beta-catenin and E-cadherin 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

<b>Amount :</b>	20 $\mu$ g / 100 $\mu$ g
<b>Content :</b>	200 $\mu$ g/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.
<b>Storage condition :</b>	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 (1-2 $\mu$ g/million cells); Immunofluorescence (1-2 $\mu$ g/ml); Western Blot (1-2 $\mu$ g/ml); Immunohistochemistry (Formalin-fixed) (1-2 $\mu$ g/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 $\text{\textcircled{C}}$  followed by cooling at RT for 20 minutes)

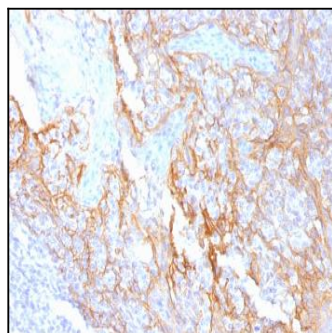


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin Mouse Monoclonal Antibody (15B8).

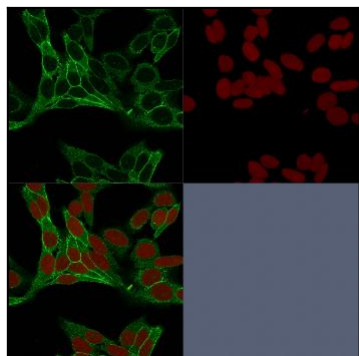


Fig. 2: Confocal immunofluorescence image of HeLa cells using Beta-Catenin Mouse Monoclonal Antibody (15B8) labeled is Green (CF488) and Reddot is used to label the nuclei Red.

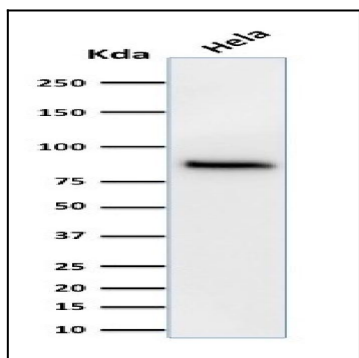


Fig. 3: Western Blot Analysis of HeLa cell lysate using Beta-Catenin Mouse Monoclonal Antibody (15B8).

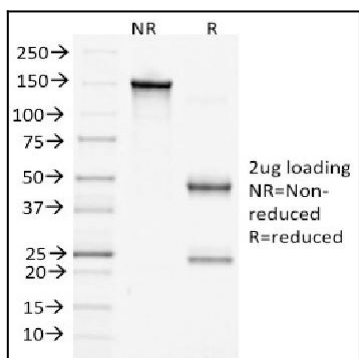


Fig. 4: SDS-PAGE Analysis of Purified Beta-Catenin Mouse Monoclonal Antibody (15B8). Confirmation of Purity and Integrity of Antibody