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## 36-2140: Anti-Catenin, beta (p120) Monoclonal Antibody(Clone: CTNNB1/1509)

Clonality: Monoclonal Clone Name: CTNNB1/1509

**Application:** IHC

**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 human beta-Catenin (p120) protein fragment

## **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 throµghout 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**

Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min 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&degC followed by cooling at RT for 20 minutes);

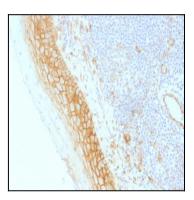


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1509).



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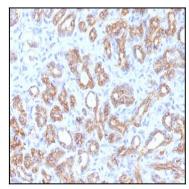


Fig. 2: Formalin-fixed, paraffin-embedded human Pancreas stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1509).

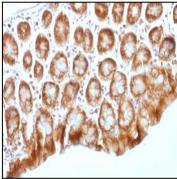


Fig. 3: Formalin-fixed, paraffin-embedded Mouse Colon stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1509).

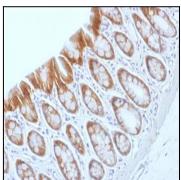


Fig. 4: Formalin-fixed, paraffin-embedded Rat Colon stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1509).