

36-2139: Anti-Catenin, beta (p120) Monoclonal Antibody(Clone: CTNNB1/1508)

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| Clonality : | Monoclonal |
| Clone Name : | CTNNB1/1508 |
| 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 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

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| 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) (0.1-0.2µg/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°C followed by cooling at RT for 20 minutes);

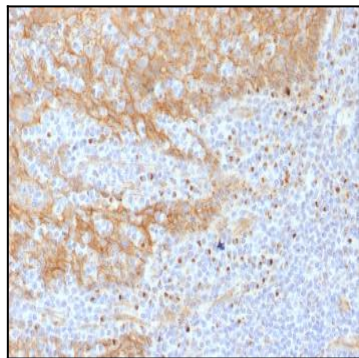


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1508).

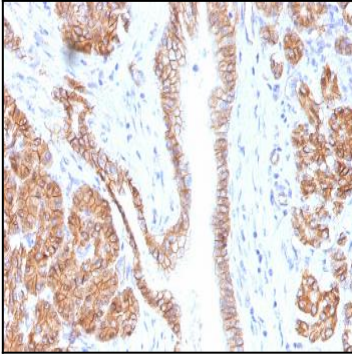


Fig. 2: Formalin-fixed, paraffin-embedded human Pancreas stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1508).

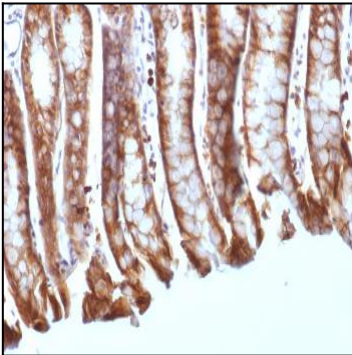


Fig. 3: Formalin-fixed, paraffin-embedded Mouse Colon stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1508).

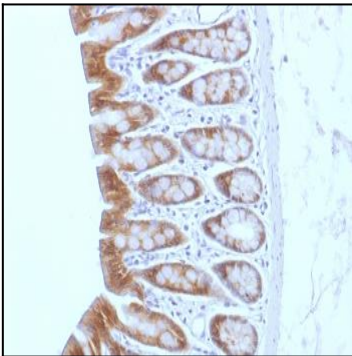


Fig. 4: Formalin-fixed, paraffin-embedded Rat Colon stained with Beta-Catenin (p120) Monoclonal Antibody (CTNNB1/1508).