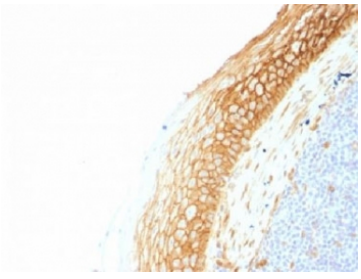
Beta Catenin Antibody [clone CTNNB1/1507] (V3242)

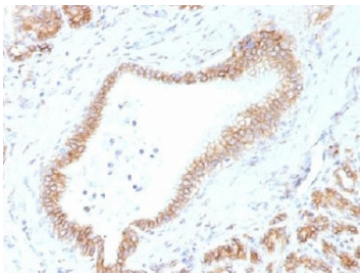
Catalog No.	Formulation	Size
V3242-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3242-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3242SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

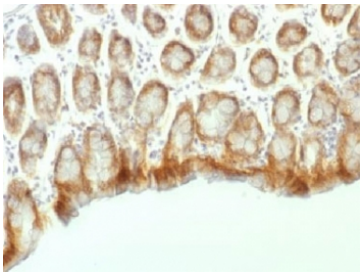
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTNNB1/1507
Purity	Protein G affinity chromatography
UniProt	P35222
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT
Limitations	This Beta Catenin antibody is available for research use only.



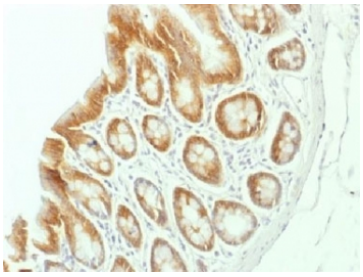
Beta Catenin Antibody Tonsil Immunohistochemistry. IHC testing of FFPE human tonsil tissue with Beta Catenin antibody (clone CTNNB1/1507). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



Beta Catenin Antibody Pancreas Immunohistochemistry. IHC testing of FFPE human pancreas tissue with Beta Catenin antibody (clone CTNNB1/1507). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



Beta Catenin Antibody Mouse Colon Immunohistochemistry. IHC testing of FFPE mouse colon tissue with Beta Catenin antibody (clone CTNNB1/1507). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



Beta Catenin Antibody Rat Colon Immunohistochemistry. IHC testing of FFPE rat colon tissue with Beta Catenin antibody (clone CTNNB1/1507). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.

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. Immunostaining 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.

This antibody complements our Beta-Catenin Antibody / CTNNB1 Antibody (clone CTNNB1/2030R) for broader analysis of CTNNB1 expression and localization.

Application Notes

Optimal dilution of the Beta Catenin antibody to be determined by the researcher.

Immunogen

A partial human recombinant protein was used as the immunogen for the Beta Catenin antibody.

Storage

Store the Beta Catenin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).