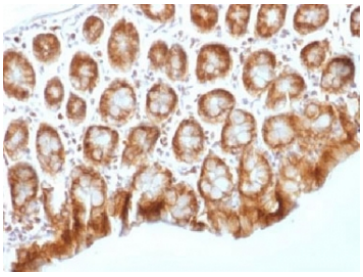
b-Catenin Antibody [clone CTNNB1/1509] (V3244)

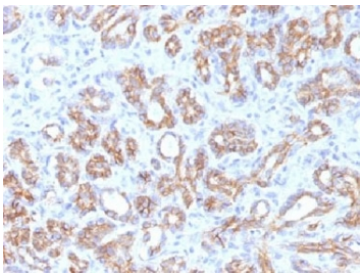
Catalog No.	Formulation	Size
V3244-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3244-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3244SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

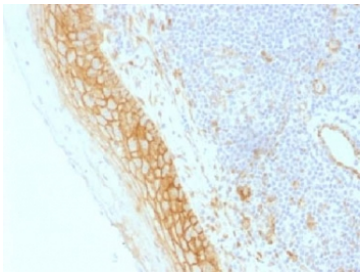
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTNNB1/1509
Purity	Protein G affinity chromatography
UniProt	P35222
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT
Limitations	This b-Catenin antibody is available for research use only.



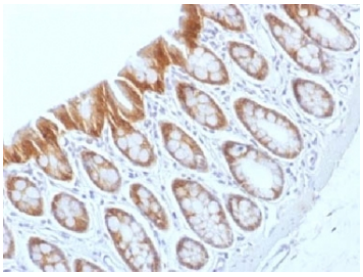
IHC testing of FFPE mouse colon tissue with b-Catenin antibody (clone CTNNB1/1509). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



IHC testing of FFPE human pancreas tissue with b-Catenin antibody (clone CTNNB1/1509). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



IHC testing of FFPE human tonsil tissue with b-Catenin antibody (clone CTNNB1/1509). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



IHC testing of FFPE rat colon tissue with b-Catenin antibody (clone CTNNB1/1509). 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.

Application Notes

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

Immunogen

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

Storage

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