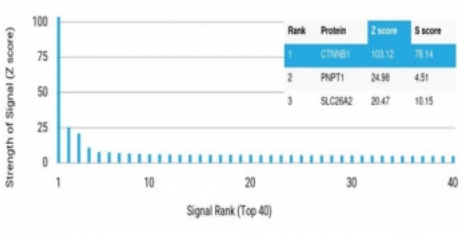
Catenin Beta Antibody / CTNNB1 [clone CTNNB1/7759] (V4975)

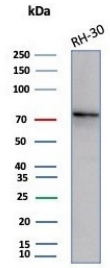
Catalog No.	Formulation	Size
V4975-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4975-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4975SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

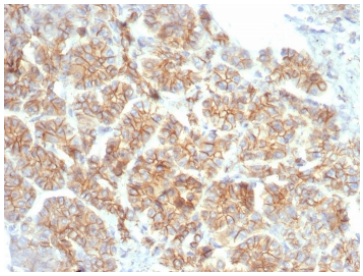
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	CTNNB1/7759
Purity	Protein A/G affinity
UniProt	P35222
Localization	Cell surface, Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Catenin Beta antibody is available for research use only.



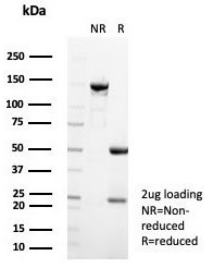
Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using Catenin Beta antibody (clone CTNNB1/7759). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.



Western blot testing of human RH30 cell lysate with Catenin Beta antibody (clone CTNNB1/7759). Expected molecular weight: 85-95 kDa.



Catenin Beta Antibody Salivary Gland Immunohistochemistry. IHC staining of FFPE human salivary gland tissue with Catenin Beta antibody (clone CTNNB1/7759). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Catenin Beta antibody (clone CTNNB1/7759) as confirmation of integrity and purity.

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.

This CTNNB1 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 Catenin Beta antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 600-781) from the human protein was used as the immunogen for the Catenin Beta antibody.

Storage

Aliquot the Catenin Beta antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.