

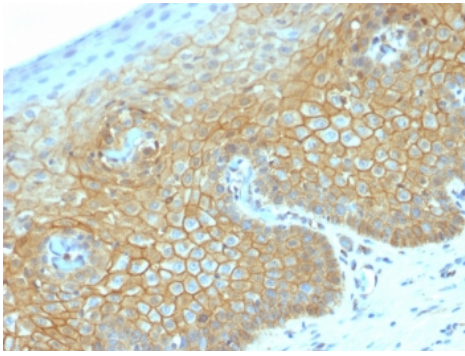
Recombinant b-Catenin Antibody [clone CTNNB1/2030R] (V3600)

Catalog No.	Formulation	Size
V3600-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3600-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3600SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3600IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

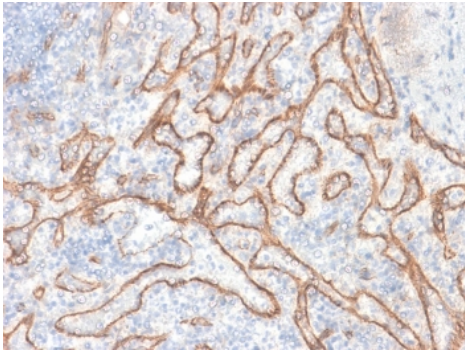
Recombinant RABBIT MONOCLONAL

[Bulk quote request](#)

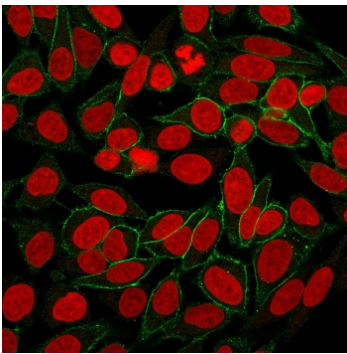
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CTNNB1/2030R
Purity	Protein A affinity chromatography
UniProt	P35222
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Flow cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Western blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant b-Catenin antibody is available for research use only.



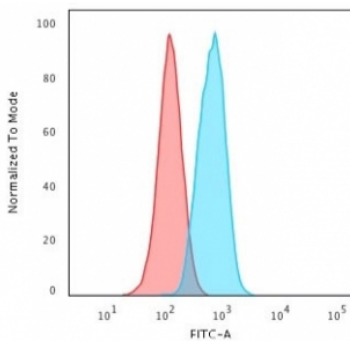
IHC testing of FFPE human cervical carcinoma with recombinant b-Catenin antibody (clone CTNNB1/2030R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



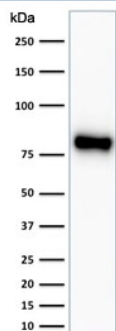
IHC testing of FFPE human tonsil tissue with recombinant b-Catenin antibody (clone CTNNB1/2030R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of PFA-fixed human HeLa cells with recombinant b-Catenin antibody (clone CTNNB1/2030R, green) and Reddot nuclear stain (red).

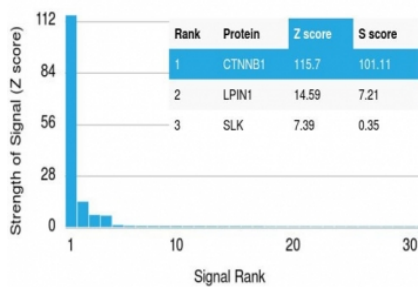


Flow cytometry testing of PFA-fixed human HeLa cells with recombinant b-Catenin antibody (clone CTNNB1/2030R); Red=isotype control, Blue= recombinant b-Catenin antibody.



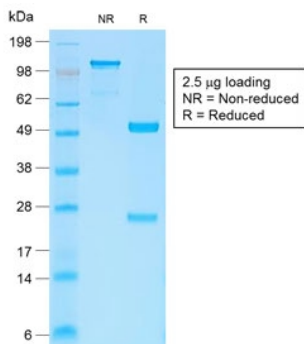
Western blot testing of human HeLa cell lysate with recombinant b-Catenin antibody (clone CTNNB1/2030R). Predicted molecular weight ~85 kDa, but routinely observed at 90-95 kDa.

Human Protein Microarray Specificity Validation

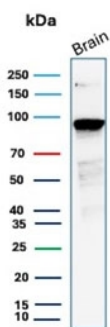


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant b-Catenin antibody (clone CTNNB1/2030R). These results demonstrate the foremost specificity of the CTNNB1/2030R mAb.

Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) 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 the targets on the 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-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free recombinant b-Catenin antibody (clone CTNNB1/2030R) as confirmation of integrity and purity.



Western blot testing of human brain tissue lysate with recombinant b-Catenin antibody (clone CTNNB1/2030R). Predicted molecular weight ~85 kDa, but routinely observed at 90-95 kDa.

Description

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. [RefSeq]

Application Notes

Titration of the recombinant b-Catenin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human protein was used as the immunogen for the recombinant b-Catenin antibody.

Storage

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