

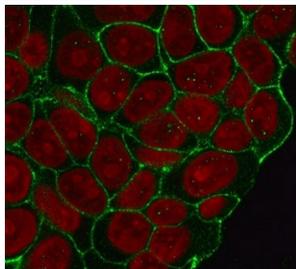
Recombinant Beta Catenin Antibody / Rabbit Monoclonal [clone CTNB1-1R] (V3677)

Catalog No.	Formulation	Size
V3677-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3677-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3677SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3677IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

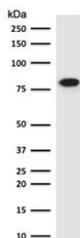
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

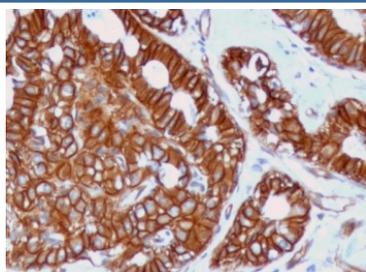
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CTNB1-1R
Purity	Protein A affinity chromatography
UniProt	P35222
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This recombinant beta Catenin antibody is available for research use only.



Immunofluorescent staining of human HeLa cells with recombinant Beta Catenin antibody (clone CTNB1-1R, green) and Reddot nuclear stain (red).



Western blot testing of human HeLa antibody with recombinant Beta Catenin antibody (clone CTNB1-1R). Predicted molecular weight ~85 kDa, but routinely observed at 90-95 kDa.



IHC staining of FFPE human breast cancer tissue with recombinant beta Catenin antibody (clone CTNB1-1R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.

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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. [RefSeq]

Application Notes

Titration of the recombinant beta 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

Beta Catenin protein was used as the immunogen for the recombinant beta Catenin antibody.

Storage

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

