

Anti-CTNNBL1 Antibody

Catalog # AP95788

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q8WYA6
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	65173

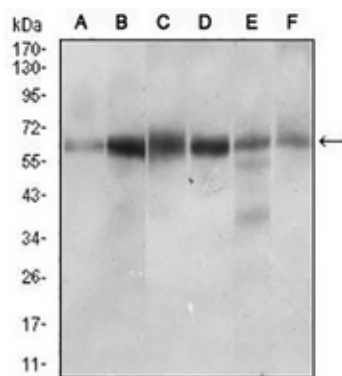
Additional Information

Gene ID	56259
Other Names	C20orf33; Beta-catenin-like protein 1; Nuclear-associated protein; NAP; Testis development protein NYD-SP19
Target/Specificity	Recombinant fusion protein of human CTNNBL1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

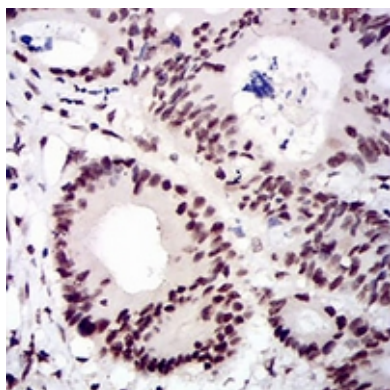
Protein Information

Name	CTNNBL1
Synonyms	C20orf33
Function	Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. Participates in AID/AICDA-mediated somatic hypermutation (SHM) and class-switch recombination (CSR), 2 processes resulting in the production of high-affinity, mutated isotype-switched antibodies (PubMed: 32484799).
Cellular Location	[Isoform 1]: Nucleus.
Tissue Location	Widely expressed with highest levels in skeletal muscle, placenta, heart, spleen, testis and thyroid

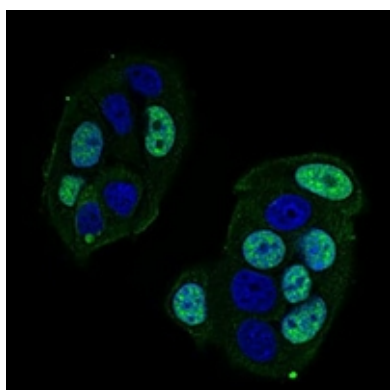
Images



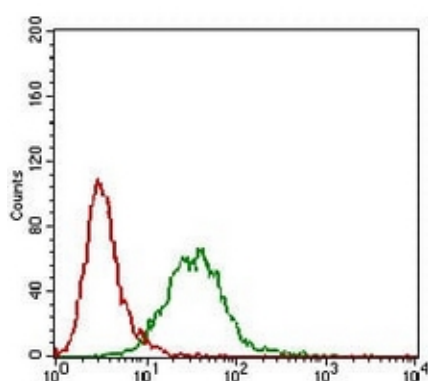
Western blot analysis of CTNNB1 expression in HeLa (A), Jurkat (B), HEK293 (C), A431 (D), HepG2 (E), Raji (F) whole cell lysates. (Predicted band size: 65 kD; Observed band size: 65 kD)



Immunohistochemical analysis of CTNNB1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CTNNB1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-CTNNB1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.