10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CTNNBL1 Rabbit pAb

Catalog # AP99064

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8WYA6
Other Accession	Q8WYA6
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65173
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CTNNBL1/Beta catenin like 1
Epitope Specificity	381-480/563
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Component of the PRP19-CDC5L splicing complex composed of a core complex comprising a homotetramer of PRPF19, CDC5L, PLRG1 and BCAS2, and at least three less stably associated proteins CTNNBL1, CWC15 and HSPA8. Interacts directly with CWC15 and CDC5L in the complex. Interacts with AICDA; the interaction is important for the antibody diversification activity of AICDA. Interacts with PRPF31 (via its NLS). Interacts (via its N-terminal NLS) with KPNA1 and KPNA2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene contains an acidic domain, a putative bipartite nuclear localization signal, a nuclear export signal, a leucine-isoleucine zipper, and phosphorylation motifs. In addition, the encoded protein contains Armadillo/beta-catenin-like repeats, which have been implicated in protein-protein interactions. Although the function of this protein has not been determined, the C-terminal portion of the protein has been shown to possess apoptosis-inducing activity.

Additional Information

Gene ID	56259
Other Names	C20orf33; IMD99; NAP; P14L; PP8304; dJ633O20.1; 5730471K09Rik; NYD-SP19; CTBL1_BOVIN; CTNNBL1; Nuclear-associated protein (NAP); p14; CTBL1_HUMAN; Testis development protein NYD-SP19; CTBL1_MOUSE; CTBL1_RAT; catenin beta like 1; chromosome 20 open reading frame 33; catenin, beta like 1; nuclear associated protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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