CTND2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CTND2, Polyclonal Antibody
Full Product Name	CTND2 Polyclonal Antibody
Product Gene Name	anti-CTND2 antibody
Product Synonym Names	Catenin delta-2; Delta-catenin; GT24; Neural plakophilin-related ARM-repeat protein; NPRAP; Neurojungin; CTNND2; NPRAP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	134
OMIM	604275
3D Structure	ModBase 3D Structure for Q9UQB3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTND2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CTND2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CTND2 antibody	MBS8529898 is an antibody targeting CTND2. Also known as CTND2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CTND2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTND2. It may not necessarily be applicable to this product.

NCBI GI #	570359547
NCBI GeneID	1501
NCBI Accession #	NP_001275644.1
UniProt Primary Accession #	Q9UQB3
UniProt Secondary Accession #	O00379; O15390; O43206; O43840; Q13589; Q9UM66; Q9UPM3; B0FTZ7
UniProt Related Accession #	Q9UQB3
GenBank Nucleotide #	NM_001288715.1

NCBI Official Full Name	catenin delta-2 isoform 2
NCBI Official Synonym Full Names	catenin delta 2
NCBI Official Symbol	CTNND2
NCBI Official Synonym Symbols	GT24; NPRAP
UniProt Protein Name	Catenin delta-2
UniProt Synonym Protein Names	Delta-catenin; GT24; Neural plakophilin-related ARM-repeat protein; NPRAP; Neurojungin
UniProt Gene Name	CTNND2
UniProt Synonym Gene Names	NPRAP; NPRAP
NCBI Protein Information	catenin delta-2
NCBI Summary for CTND2	This gene encodes an adhesive junction associated protein of the armadillo/beta-catenin superfamily and is implicated in brain and eye development and cancer formation. The protein encoded by this gene promotes the disruption of E-cadherin based adherens junction to favor cell spreading upon stimulation by hepatocyte growth factor. This gene is overexpressed in prostate adenocarcinomas and is associated with decreased expression of tumor suppressor E-cadherin in this tissue. This gene resides in a region of the short arm of chromosome 5 that is deleted in Cri du Chat syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]
UniProt Comments for CTND2	Has a critical role in neuronal development, particularly in the formation and/or maintenance of dendritic spines and synapses (PubMed:25807484). Involved in the regulation of Wnt signaling (PubMed:25807484). It probably acts on beta-catenin turnover, facilitating beta-catenin interaction with GSK3B, phosphorylation, ubiquitination and degradation (). Functions as a transcriptional activator when bound to ZBTB33 (). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules.
Research Articles on CTND2	**1.** We propose CTNND2 as the causal gene infamilial cortical myoclonic tremor and epilepsy-3
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