

Rabbit anti-Human, Mouse CTNND2 Polyclonal Antibody | anti-CTNND2 antibody

CTNND2 Antibody

CATALOG # AAA327907	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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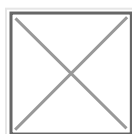
PRODUCT SYNONYMS

CTNND2; Polyclonal Antibody; CTNND2 Antibody; ARM-repeat protein; Catenin (cadherin associated protein) delta 2; catenin (cadherin-associated protein); delta 2 (neural plakophilin-related arm-repeat protein); Catenin delta 2; Catenin delta-2; CTND2_HUMAN; CTNND 2; Ctnnd2; Delta catenin; Delta-catenin; GT 24; GT24; Neural plakophilin related arm repeat protein; Neural plakophilin related armadillo repeat protein; Neural plakophilin-related ARM-repeat protein; Neural plakophilin-related; Neurojungin; NPRAP; T cell delta catenin; anti-CTNND2 antibody

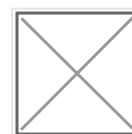
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CTNND2 antibody detects endogenous levels of total CTNND2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1134
Applicable Applications for anti-CTNND2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human CTNND2
Subcellular Location	Nucleus. Cell Junction > Adherens Junction.
Tissue Specificity	Expressed in brain; highest expression is observed in fetal brain (PubMed:25807484).
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from mouse brain, using CTNND2 Antibody.


WB (Western Blot)

Western blot analysis of CTNND2 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CTNND2 antibody	Function: 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 (By similarity). Functions as a transcriptional activator when bound to ZBTB33 (By similarity). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules. Subunit Structure: Binds to E-cadherin at a juxtamembrane site within the cytoplasmic domain (By similarity). Interacts with PDZD2 (By similarity). Interacts with ZBTB33 (By similarity). Binds to PSEN1 (PubMed:10037471) (PubMed:10208590) (PubMed:9223106). Interacts with ARHGEF28 (PubMed:17993462). Interacts (via the extreme C-terminus) with FRMPD2 (via the PDZ 2 domain) (PubMed:19706687). Interacts with CDK5 (By similarity). Interacts with CTNNB1 (PubMed:25807484). Interacts with GSK3A and GSK3B (PubMed:19706605). Interacts with DNM2 (PubMed:22022388). Post-translational Modifications: O-glycosylated. Phosphorylated by CDK5 (By similarity). Phosphorylated by GSK3B (PubMed:19706605). Similarity: Belongs to the beta-catenin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	570359547
NCBI GeneID	1501
NCBI Accession #	NP_001275644.1
NCBI GenBank Nucleotide #	NM_001288715.1
UniProt Accession #	Q9UQB3; O00379; O15390; O43206; O43840; Q13589; Q9UM66; Q9UPM3; B0FTZ7
Molecular Weight	Observed: 133 kDa Predicted: 133 kDa
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
NCBI Protein Information	catenin delta-2
UniProt Protein Name	Catenin delta-2
UniProt Gene Name	CTNND2
UniProt Synonym Gene Names	NPRAP; NPRAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.