

**CTNNA2 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12871a****Specification**

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**CTNNA2 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P26232](#)**CTNNA2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1496**Other Names**

Catenin alpha-2, Alpha N-catenin, Alpha-catenin-related protein, CTNNA2, CAPR

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CTNNA2 Antibody (N-term) Blocking peptide - Protein Information****Name** CTNNA2**Synonyms** CAPR**Function**

May function as a linker between cadherin adhesion receptors and the cytoskeleton to regulate cell-cell adhesion and differentiation in the nervous system (By similarity). Required for proper regulation of cortical neuronal migration and neurite growth (PubMed:<a href="http://www.uniprot.org/citations/30013181" target="\_blank">30013181</a>). It acts as a negative regulator of Arp2/3 complex activity and Arp2/3- mediated actin polymerization (PubMed:<a href="http://www.uniprot.org/citations/30013181" target="\_blank">30013181</a>). It thereby suppresses excessive actin branching which would impair neurite growth and stability (PubMed:<a href="http://www.uniprot.org/citations/30013181" target="\_blank">30013181</a>). Regulates morphological plasticity of synapses and cerebellar and hippocampal lamination during development. Functions in the control of startle modulation (By similarity).

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q61301}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q61301}; Cytoplasmic side {ECO:0000250|UniProtKB:Q61301}. Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q61301}. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q61301}. Cell projection, axon

{ECO:0000250|UniProtKB:Q61301}. Nucleus

**Tissue Location**

Expressed in neural tissues, with strongest expression in fetal and adult brain. Expressed in the developing cortical plate and marginal zone of 20-week-old human fetal brain

**CTNNA2 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**CTNNA2 Antibody (N-term) Blocking peptide - Images****CTNNA2 Antibody (N-term) Blocking peptide - Background**

CTNNA2 may function as a linker between cadherin adhesion receptors and the cytoskeleton to regulate cell-cell adhesion and differentiation in the nervous system. Regulates morphological plasticity of synapses and cerebellar and hippocampal lamination during development. Functions in the control of startle modulation (By similarity).

**CTNNA2 Antibody (N-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Trynka, G., et al. Gut 58(8):1078-1083(2009)Scott, L.J., et al. Proc. Natl. Acad. Sci. U.S.A. 106(18):7501-7506(2009)