

## Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody Catalog # ABO16762

### Specification

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#### Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">O60716</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody - Additional Information

Gene ID 1500

#### Other Names

Catenin delta-1, Cadherin-associated Src substrate, CAS, p120 catenin, p120(ctn), p120(cas), CTNND1, KIAA0384

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Phospho-CTNND1 (Y228)

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody - Protein Information

Name CTNND1

Synonyms KIAA0384

### Function

Key regulator of cell-cell adhesion that associates with and regulates the cell adhesion properties of both C-, E- and N-cadherins, being critical for their surface stability (PubMed:<a href="http://www.uniprot.org/citations/14610055" target="\_blank">14610055</a>, PubMed:<a href="http://www.uniprot.org/citations/20371349" target="\_blank">20371349</a>). Beside cell-cell adhesion, regulates gene transcription through several transcription factors including ZBTB33/Kaiso2 and GLIS2, and the activity of Rho family GTPases and downstream cytoskeletal dynamics (PubMed:<a href="http://www.uniprot.org/citations/10207085" target="\_blank">10207085</a>, PubMed:<a href="http://www.uniprot.org/citations/20371349" target="\_blank">20371349</a>). Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors (PubMed:<a href="http://www.uniprot.org/citations/17344476" target="\_blank">17344476</a>).

### Cellular Location

Cell junction, adherens junction. Cytoplasm. Nucleus. Cell membrane Note=Interaction with GLIS2 promotes nuclear translocation (By similarity). Detected at cell-cell contacts (PubMed:15240885, PubMed:17047063). NANOS1 induces its translocation from sites of cell- cell contact to the cytoplasm (PubMed:17047063). CDH1 enhances cell membrane localization (PubMed:15240885). Isoforms 4A and 1AB are excluded from the nucleus (PubMed:11896187) {ECO:0000250|UniProtKB:P30999, ECO:0000269|PubMed:11896187, ECO:0000269|PubMed:15240885, ECO:0000269|PubMed:17047063} [Isoform 2A]: Nucleus

### Tissue Location

Expressed in vascular endothelium. Melanocytes and melanoma cells primarily express the long isoform 1A, whereas keratinocytes express shorter isoforms, especially 3A. The shortest isoform 4A, is detected in normal keratinocytes and melanocytes, and generally lost from cells derived from squamous cell carcinomas or melanomas. The C-terminal alternatively spliced exon B is present in the p120ctn transcripts in the colon, intestine and prostate, but lost in several tumor tissues derived from these organs

## Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Phospho-CTNND1 (Y228) Rabbit Monoclonal Antibody - Images