

Rabbit CTNND1 Polyclonal Antibody | anti-CTNND1 antibody

Phospho-CTNND1 (Tyr280) Antibody

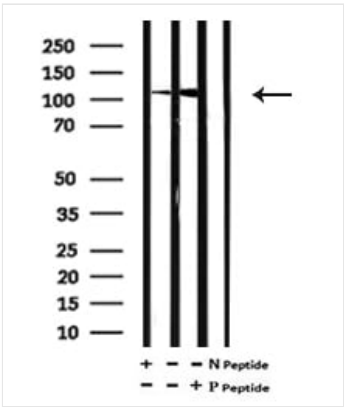
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328311	Rabbit	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Rabbit	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CTNND1; Polyclonal Antibody; Phospho-CTNND1 (Tyr280) Antibody; Cadherin associated Src substrate; Cadherin-associated Src substrate; CAS; Catenin (cadherin associated protein) delta 1; Catenin delta 1; Catenin delta; Catenin delta-1; CTND1_HUMAN; CTNND 1; CTNND; KIAA0384; p120; P120 CAS; p120 catenin; P120 CTN; p120(cas); p120(ctn); P120CAS; P120CTN; anti-CTNND1 antibody

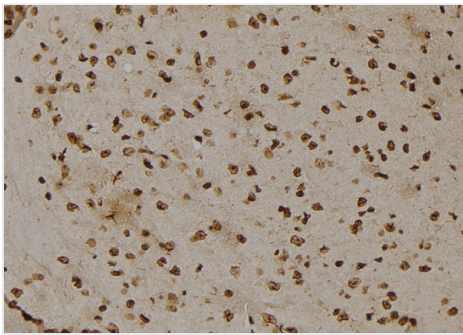
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-CTNND1 (Tyr280) Antibody detects endogenous levels of CTNND1 only when phosphorylated at Tyr280.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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	968
Applicable Applications for anti-CTNND1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CTNND1 around the phosphorylation site of Tyr280.
Tissue Specificity	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.
Subcellular Location	Plasma Membrane; Nucleus; Nucleus; Nucleus; Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



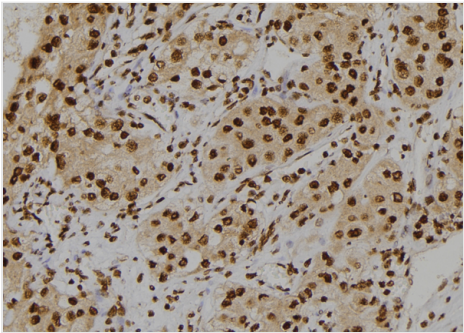
WB (Western Blot)

Western blot analysis of Phospho-CTNND1 (Tyr280) in lysates of HuvEc, using Phospho-CTNND1 (Tyr280) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-CTNND1 antibody	Description: Binds to and inhibits the transcriptional repressor ZBTB33, which may lead to activation of target genes of the Wnt signaling pathway (By similarity). Associates with and regulates the cell adhesion properties of both C-, E- and N-cadherins, being critical for their surface stability. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors. Promotes GLIS2 C-terminal cleavage. Post Translational Modifications: Phosphorylated by FER and other protein-tyrosine kinases. Phosphorylated at Ser-288 by PAK5. Dephosphorylated by PTPRJ. Subunit Structure: Belongs to a multiprotein cell-cell adhesion complex that also contains E-cadherin/CDH1, alpha-catenin/CTNNA1, beta-catenin/CTNNB1, and gamma-catenin/JUP (PubMed:20371349, PubMed:15240885). Binds to the C-terminal fragment of PSEN1 and mutually competes for CDH1. Interacts with ZBTB33 (PubMed:10207085). Interacts with GLIS2 (PubMed:17344476). Interacts with FER (PubMed:7623846). Interacts with NANOS1 (via N-terminal region) (PubMed:17047063). Interacts (via N-terminus) with GNA12; the interaction regulates CDH1-mediated cell-cell adhesion (PubMed:15240885). Interacts with GNA13 (PubMed:15240885). Similarity: A possible nuclear localization signal exists in all isoforms where Asp-626--631-Arg are deleted. ARM repeats 1 to 5 mediate interaction with cadherins. Belongs to the beta-catenin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146231940
NCBI GeneID	1500

NCBI Accession #	NP_001078927.1
NCBI GenBank Nucleotide #	NP_001078927.1
UniProt Accession #	O60716
Molecular Weight	Observed: 105 kDa Predicted: 109 kDa
NCBI Official Full Name	catenin delta-1 isoform 1ABC
NCBI Official Synonym Full Names	catenin delta 1
NCBI Official Symbol	CTNND1
NCBI Official Synonym Symbols	CAS; p120; BCDS2; CTNND; P120CAS; P120CTN; p120(CAS); p120(CTN)
NCBI Protein Information	catenin delta-1
UniProt Protein Name	Catenin delta-1
UniProt Gene Name	CTNND1
UniProt Synonym Gene Names	KIAA0384; CAS; p120(ctn)
UniProt Entry Name	CTND1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctnnd1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328311>