

**p120 (phospho Tyr228) rabbit pAb****Cat#: orb764397 (Manual)**

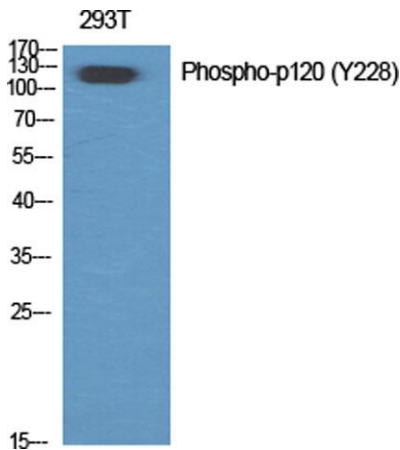
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	p120 (phospho Tyr228) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Catenin-delta1 around the phosphorylation site of Tyr228. AA range:201-250
<b>Specificity</b>	Phospho-p120 (Y228) Polyclonal Antibody detects endogenous levels of p120 protein only when phosphorylated at Y228.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Catenin delta-1
<b>Gene Name</b>	CTNND1
<b>Cellular localization</b>	Cell junction, adherens junction . Cytoplasm . Nucleus . Cell membrane . 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). .; [Isoform 1A]: Nucleus .; [Isoform 2A]: Nucleus .; [Isoform 3A]: Nucleus .

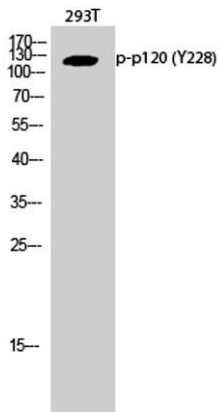
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	108kD
<b>Human Gene ID</b>	1500
<b>Human Swiss-Prot Number</b>	O60716
<b>Alternative Names</b>	CTNND1; KIAA0384; Catenin delta-1; Cadherin-associated Src substrate; CAS; p120 catenin; p120(ctn); p120(cas)

**Background**

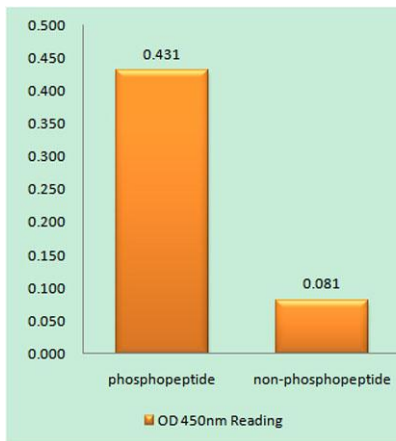
catenin delta 1(CTNND1) Homo sapiens This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length nature of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene. [provided by RefSeq, Dec 2010],



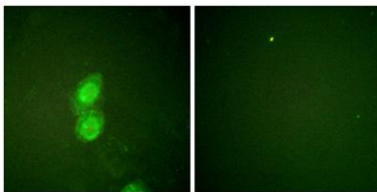
**Western Blot analysis of various cells using Phospho-p120 (Y228) Polyclonal Antibody diluted at 1:500**



Western Blot analysis of 293T cells using Phospho-p120 (Y228) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Catenin-delta1 (Phospho-Tyr228) Antibody



Immunofluorescence analysis of HUVEC cells, using Catenin-delta1 (Phospho-Tyr228) Antibody. The picture on the right is blocked with the phospho peptide.