

## Product datasheet for **BP5027**

### delta 2 Catenin (CTNND2) (1175-1192) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Immunoblotting:</b> 1/2500 for Wesern blot using ECL. <b>Immunofluorescence Microscopy:</b> 1/100. <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections</b> (only after microwave treatment). <b>Positive Control:</b> Murine brain, retina.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide J7 (corresponding to aa 1175-1192), coupled to KLH
Specificity:	The antibody reacts specifically with Neurojungin (Delta-Catenin, a unique 160 kD polypeptide of the plakoglobin / armadillo protein family) present in adhering type junctions in the nervous system, primarily expressed in the brain. Delta-Catenin also binds to presenilin-1, mutations of this protein are described to play a role in familial Alzheimers disease. No cross-reaction with other members of the armadillo / Plakoglobin protein family. <b>Tested Reactivities on Cultured Cell Lines:</b> Murine cell line A1B2, stably transfected with Neurojungin cDNA.
Formulation:	State: Serum State: Whole Antiserum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	catenin delta 2
Database Link:	<a href="#">Entrez Gene 1501 Human Q9UQB3</a>



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**Background:**

Delta-Catenin, is a member of the p120 catenin subfamily of catenins. Delta-Catenin/NPRAP was identified as a protein homologous to plakophilin 1 and as a protein interacting with the loop region of presenilin 1 (PS1), the gene most commonly mutated in Alzheimers disease. Delta-Catenin/NPRAP is almost exclusively expressed in the central nervous system mainly during early brain development. Delta-Catenin/NPRAP has been shown to co-localize and interact with N-cadherin in the mouse brain and to undergo dynamic relocalization during brain development.

**Synonyms:**

CTNND2, NPRAP, Delta-catenin, Neurojungin, GT24