

Product: Anti-NPRAP/Neurojungin (delta-Catenin)
Catalog #: 03-GP27
Amount: 25 µl

CATEGORY: Guinea pig Polyclonal
FORM: Whole Antiserum containing 0.1% sodium azide
IMMUNOGEN: Synthetic peptide J7 (corresponding to aa 1175-1192), conjugated to KLH
DESCRIPTION/SPECIFICITY: The antibody reacts specifically with neurojungin (deltacatenin, 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. Deltacatenin also binds to presenilin-1, mutations of this protein are described to play a role in familial Alzheimer's disease. No cross-reaction with other members of the armadillo / plakoglobin protein family
POLYPEPTIDE REACTING: Neurojungin (delta-catenin), 160 kD polypeptide
ANTIGEN RECOGNIZED IN SPECIES (tested so far): Human; bovine, rat, mouse
REACTIVITIES IN CULTURE
CELL LINES (tested so far): Murine cell line A1 B2, stably transfected with neurojungin cDNA
POSITIVE CONTROL: Murine brain, retina
APPLICATION: Immunohistochemistry on frozen and paraffin (microwave treatment) sections
Immunofluorescence microscopy
Immunoblotting (western, ECL)
WORKING DILUTION: 1:100 for immunofluorescence microscopy (dilute immediately before use with PBS)
1:2500 for Immunoblotting
STORAGE: 2-8°C for immediate use, or at -20°C (aliquot)

REFERENCES:
Paffenholz R. et al. (1999) Exp Cell Res **250**: 452-464
Hatzfeld M. (2005) Eur J Cell Biol **84**: 205-214
Kosik KS. et al. (2005) Trends Cell Biol **15**: 172-178

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