Pab to NPRAP / Neurojungin (delta-Catenin)

Category
Guinea pig polyclonal

Purification / Form
Whole antiserum

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 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
Human; bovine, rat, mouse

Reactivities on Cultured Cell Lines (tested so far)
Murine cell line A1B2, stably transfected with neurojungin cDNA

Positive control
Murine brain, retina

Application
- Immunoblotting
- Immunofluorescence microscopy
- Immunohistochemistry on sections through frozen and paraffin embedded tissue (only after microwave treatment)

Working Dilution
1:100 for immunofluorescence microscopy (dilute immediately before use with PBS)
1:2500 in Western blotting (using ECL)

Storage
At 2 - 8°C

Volume
100 µL (contains 0.09% sodium azide)

References

Cat. No.
GP27

GP27/DS-171105