Mab to NPRAP / Neurojungin (delta-Catenin)

Clone Determination
J19

Category
Mouse monoclonal

Immunoglobulin Class
IgG1

Purification / Form
Hybridoma culture supernatant

Immunogen
Synthetic peptide J6 (corresponding to aa 292-309), coupled to KLH

Specificity
The mab 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; in endothelia from blood vessels the antibody is positive with a 300 kD polypeptide

Antigen recognized in species
Human; bovine, rat, mouse, zebrafish

Reactivities on Cultured Cell Lines (tested so far)
Murine cell line A1B2, A431 stably transfected with neurojungin cDNA

Positive control
Murine brain, retina

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

Working Dilution
Ready-to-use for immunohistochemistry

Storage
At 2 - 8°C

Volume
5 mL

References

Cat. No. 651152

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