

RABBIT ANTI-NEURONAL PENTRAXIN 1 AFFINITY PURIFIED POLYCLONAL ANTIBODY

CATALOG NUMBER: AB15518

LOT NUMBER:

QUANTITY: 50 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Neuronal pentraxin 1 (NPX1).

BACKGROUND:

Neuronal Pentraxins: A new family of putative integral membrane pentraxins or Neuronal pentraxins identified through interaction with a presynaptic snake venom toxin taipoxin. NPX1, NPX2 and NPXR (Neuronal Pentraxin Receptor), the three neuronal pentraxins represent a novel neuronal uptake pathway that may function during synapse formation and remodeling. The N-terminal half of neuronal pentraxins are 20-30% identical to previously identified pentraxins (CRP and SAP), the three neuronal pentraxins are 50% identical to each other and are significantly larger than the classical pentraxins (>50 versus 30kDa), suggesting that they may have additional novel functions.

NPX1(Neuronal Pentraxin 1) a 432aa protein in mouse and rat, 430aa in human (chr 17q25). It mediates the uptake of degraded synaptic material which could play an important role in synaptic remodeling, expressed in brain.

IMMUNOGEN: Synthetic peptide near the N-terminus of mouse NPX1

APPLICATIONS: Western blot: 1-10 µg/mL using ECL.
Immunohistochemistry: Not tested. It is recommended that the antibody be tried at 2-20 µg/mL
ELISA: 0.5-1 µg/mL using control peptide.
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Mouse. Other species have not yet been tested. The immunogen sequence is 94% conserved in rat, and 82% in human NPX1.

FORMAT: Affinity purified immunoglobulin.

PRESENTATION: Liquid in PBS with 0.1% BSA .

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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