

**RABBIT ANTI-NEURONAL PENTRAXIN 1 RECEPTOR
AFFINITY PURIFIED
POLYCLONAL ANTIBODY****CATALOG NUMBER:** AB15522**LOT NUMBER:****QUANTITY:** 50 µg**CONCENTRATION:** 1 mg/mL**SPECIFICITY:** Neuronal pentraxin 1 Receptor (NPXR1).**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.

NPXR1 (Neuronal Pentraxin Receptor 1) a 493aa protein in mouse, 494 in rat, and 499aa in human. The predominant form of NPXR contains a putative NH2 terminal transmembrane and all forms are glycosylated. It shows 49 and 48% homology with NPX1 and NPX2 respectively. NPXR message is expressed in neuronal regions that express NPX1 and NPX2.

IMMUNOGEN: Synthetic peptide near the C-terminus of mouse NPXR1**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 100% conserved in rat, and human NPXR1.**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.

For research use only; not for use as a diagnostic.

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