

NPTX2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253864

Unit: 0.1 mg

Description:

Neuronal pentraxin (NPTX) 2 was initially identified as a member of the pentraxin family having high homology to NPTX1. Unlike NPTX1 however, NPTX2 is expressed in testes, pancreas, liver, heart, skeletal muscle as well as brain. NPTX2 possesses the lectin properties common to the pentraxin family, promotes neurite outgrowth, and is rapidly regulated by neuronal activity. NPTX1 and NPTX2 form heterocomplexes that contribute to both activity-independent and ?dependent excitatory synaptogenesis. Recently, NPTX2 has been found to be highly upregulated in Parkinsonian substantia nigra and localizes to Lewy bodies and Lewy neurites in sporadic Parkinson?s disease (PD), suggesting that it is involved in the pathway dysregulation that underlies PD. This NPTX2 antibody is predicted to be specific to NPTX2 and not recognize NPTX1.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

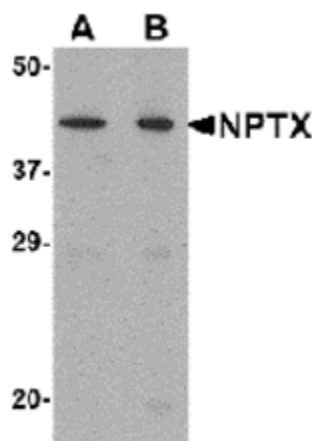
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: NPTX2; Neuronal pentraxin 2; NP2; NP-II; neuronal activity-regulated protein; NARP; Neuronal pentraxin II

Accession No.: NP_002514

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NPTX2.

Application Notes: E: 1:5,000-1:10,000; WB: 1:1,000-1:2,000; IHC: 1:100-1:500; IF: 1:20-1:50



Western blot analysis of NPTX2 in mouse brain tissue lysate with NPTX2 Antibody (Cat. No. 253864) at (A) 0.5 and (B) 1 ug/mL.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.