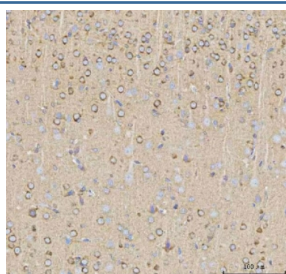


NPTXR Antibody / Neuronal pentraxin receptor (RQ8443)

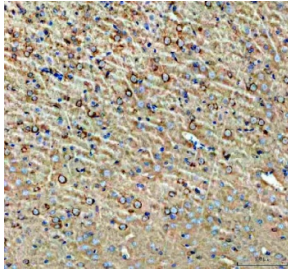
Catalog No.	Formulation	Size
RQ8443	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

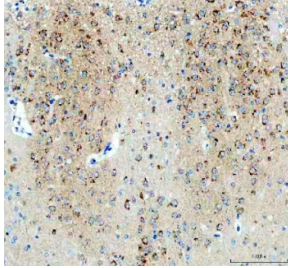
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95502
Localization	Cell membrane, cytoplasm, nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NPTXR antibody is available for research use only.



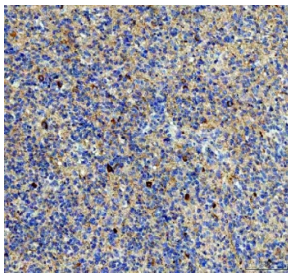
IHC staining of FFPE rat brain tissue with NPTXR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



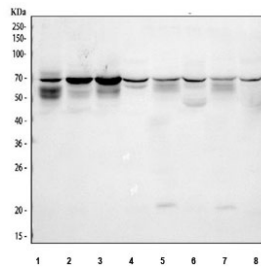
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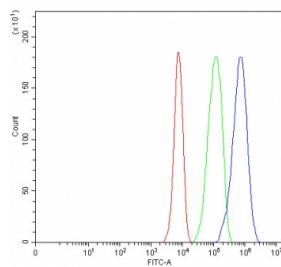
IHC staining of FFPE mouse brain tissue with NPTXR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human glioma tissue with NPTXR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human U-87 MG, 2) human SiHa and 3) rat C6 cell lysate with NPTXR antibody. Predicted molecular weight ~53 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with NPTXR antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NPTXR antibody.

Description

Neuronal pentraxin receptor is a protein that in humans is encoded by the NPTXR gene. This gene encodes a protein similar to the rat neuronal pentraxin receptor. The rat pentraxin receptor is an integral membrane protein that is thought to mediate neuronal uptake of the snake venom toxin, taipoxin, and its transport into the synapses. Studies in rat indicate that translation of this mRNA initiates at a non-AUG (CUG) codon. This may also be true for mouse and human, based on strong sequence conservation amongst these species.

Application Notes

Optimal dilution of the NPTXR antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (Q132-A500) was used as the immunogen for the NPTXR antibody.

Storage

After reconstitution, the NPTXR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.