Datasheet for ABIN7582052

anti-NPTXR antibody (Extracellular) (FITC)

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Overview

Quantity:	50 µL
Target:	NPTXR
Binding Specificity:	AA 162-176, Extracellular
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPTXR antibody is conjugated to FITC
Application:	Live Cell Imaging (LCI), Flow Cytometry (FACS)

Product Details

Purpose:	A Rabbit Polyclonal Antibody to Neuronal Pentraxin Receptor (NPTXR) (extracellular) conjugated to the fluorescent dye FITC
Immunogen:	(C)RGLQDAGPRRDTMAD, corresponding to amino acid residues 162 - 176 of mouse NPTXR
Sequence:	(C)RGLQDAGPRR DTMAD
Isotype:	IgG
Specificity:	Extracellular, C-terminus
Predicted Reactivity:	Rat - identical, human - 14 out of 15 amino acid residues identical
Characteristics:	Anti-Neuronal Pentraxin Receptor (NPTXR) (extracellular) Antibody (ABIN7043370, ABIN7044746 and ABIN7044747) is a highly specific antibody directed against an extracellular epitope of the mouse NPTXR. The antibody can be used in western blot and

Product Details

	immunohistochemistry. It has been designed to recognize NPTXR from mouse, rat and human samples. Anti-Neuronal Pentraxin Receptor (NPTXR) (extracellular)-FITC Antibody (ABIN7043370, ABIN7044746 and ABIN7044747-F) is directly conjugated to fluorescein isothiocyanate (FITC) fluorophore. This conjugated antibody has been developed to be used in immunofluorescent applications such as direct flow cytometry and live cell imaging.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	NPTXR
Alternative Name:	NPTXR (NPTXR Products)
Background:	NPR, NPTXR,Neuronal Pentraxin Receptor (NPTXR) belongs to the Pentraxin superfamily of proteins (NP) that is characterized by a pentraxin domain at the C-terminal end. It is the only pentraxin family member anchored to the cell membrane by a putative N-terminal transmembrane domain, as opposed to the other two family members, Neuronal Pentraxin1 (NP1) and Neuronal Pentraxin 2 (NP2) that are secreted proteins. NPs can form homo pentamers and hetero pentamers via their pentraxin domains 1.NPTXR was first identified as the receptor for the snake venom toxin taipoxin and was later found to bind to AMPARs at excitatory synapses and play important, roles in the activity-dependent regulation of neural circuits via this binding activity 1.Lately, the levels of NPTXR protein in cerebrospinal fluid has been identified as a novel potential biomarker of Alzheimer's disease progression and could have important utility in assessing treatment success in clinical trials 2. In addition, NPTXR was identified as a molecule required for gastric cancer metastasis 3.
Gene ID:	73340
UniProt:	Q99J85

Application Details

Application Notes:	Antigen preadsorption control: 1 µg peptide per 1 µg antibody
Comment:	Negative Control: (ABIN7582044) Blocking Peptide: (ABIN7236082)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	15 µL or 50 µL double distilled water (DDW), depending on the sample size.
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 1 % BSA with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).