Datasheet for ABIN7043197

anti-GABRQ antibody (Extracellular, N-Term)

3 Images

Go to Product page

Overview

Quantity:	25 µL
Target:	GABRQ
Binding Specificity:	AA 131-143, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRQ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DYRMHEKLWVPDC, corresponding to amino acid residues 131-143 of mouse GABRQ
Isotype:	IgG
Characteristics:	Anti-GABA(A) teta Receptor (GABRQ) (extracellular) Antibody is directed against an extracellular epitope of mouse γ-aminobutyric acid receptor subunit θ. Anti-GABA(A) θ Receptor (GABRQ) (extracellular) Antibody (ABIN7043197, ABIN7044315 and ABIN7044316)) can be used in western blot, immunohistochemistry and live cell imaging applications. It has been designed to recognize GABRQ from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

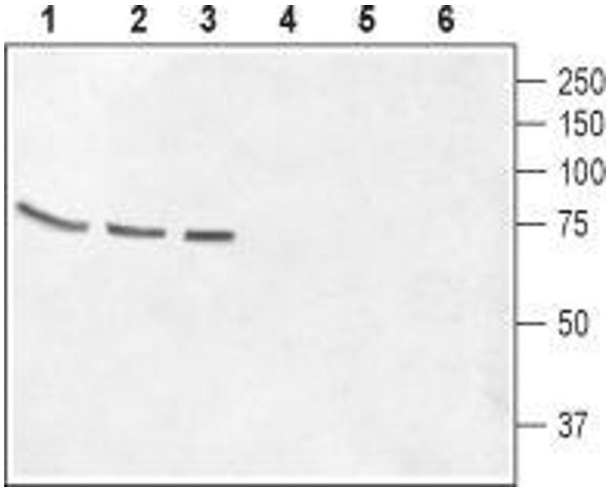
Target:	GABRQ
Alternative Name:	GABA(A) theta Receptor (GABRQ) (GABRQ Products)
Background:	Alternative names: GABA(A) theta Receptor (GABRQ), gamma-Aminobutyric acid receptor subunit theta, GABA(A) receptor subunit theta
Gene ID:	57249
NCBI Accession:	NM_018558
UniProt:	Q9JLF1

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

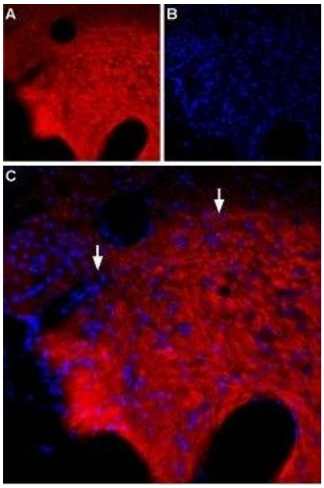
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 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:	RT,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 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).



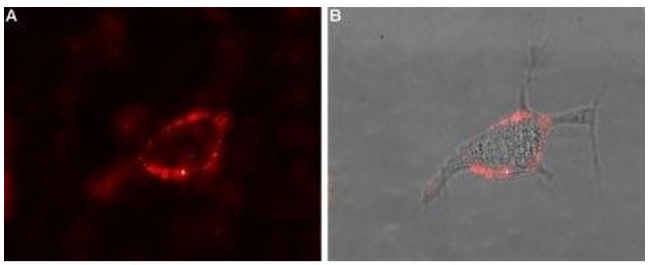
Western Blotting

Image 1. Western blot analysis of rat brain membrane (lanes 1 and 4), mouse brain membrane (lanes 2 and 5) and Human CCF-STGI brain astrocytoma cell lysate (lanes 3 and 6): - 1-3. Anti-GABA(A) θ Receptor (GABRQ) (extracellular) Antibody (ABIN7043197, ABIN7044315 and ABIN7044316), (1:500).4-6. Anti-GABA(A) θ Receptor (GABRQ) (extracellular) Antibody, preincubated with GABA(A) θ Receptor/GABRQ (extracellular) Blocking Peptide (#BLP-GA018).



Immunohistochemistry

Image 2. Expression of of GABA(A) θ receptor in rat hypothalamus - Immunohistochemical staining of rat hypothalamus using Anti-GABA(A) θ Receptor (GABRQ) (extracellular) Antibody (ABIN7043197, ABIN7044315 and ABIN7044316). A. GABRQ staining (red) is detected in the mammillary nucleus which is part of the posterior hypothalamus (arrows demarcate nucleus border). B. Nuclear staining using DAPI as the counterstain (blue). C. Merge images of A and B.



Immunocytochemistry

Image 3. Expression of GABA(A) θ receptor in rat PC12 cells - Cell surface detection of GABRQ in intact living rat Pheochromocytoma (PC12) cells. A. Extracellular staining of cells using Anti-GABA(A) θ Receptor (GABRQ) (extracellular) Antibody (ABIN7043197, ABIN7044315 and ABIN7044316), (1:50), (red). B. Merge of A with the live view of the cell.