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Datasheet for ABIN7043189

anti-GABRA5 antibody (2nd Cytoplasmic Loop)

2 Images

Overview

Quantity:	25 µL
Target:	GABRA5
Binding Specificity:	2nd Cytoplasmic Loop, AA 364-376
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KKERELILNKSTN, corresponding to amino acid residues 364-376 of rat GABRA5
Isotype:	IgG
Characteristics:	Anti-GABA(A) alpha5 Receptor Antibody is directed against an epitope of the rat GABA(A) α5 receptor. Anti-GABA(A) α5 Receptor Antibody (ABIN7043189, ABIN7044317 and ABIN7044318)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize GABRA5 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

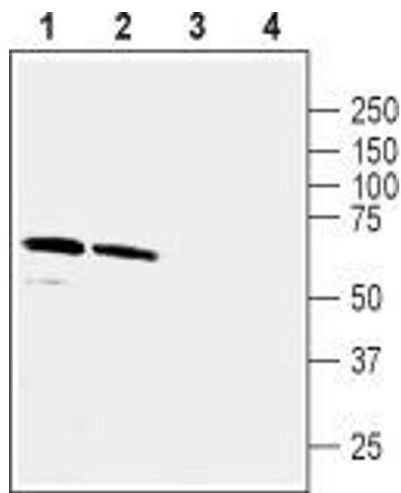
Target:	GABRA5
Alternative Name:	GABA(A) alpha5 Receptor (GABRA5 Products)
Background:	Alternative names: GABA(A) alpha5 Receptor, gamma-Aminobutyric acid receptor type A subunit alpha5, GABRA5
Gene ID:	29707
NCBI Accession:	NM_000810
UniProt:	P19969
Pathways:	Sensory Perception of Sound , Synaptic Membrane

Application Details

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

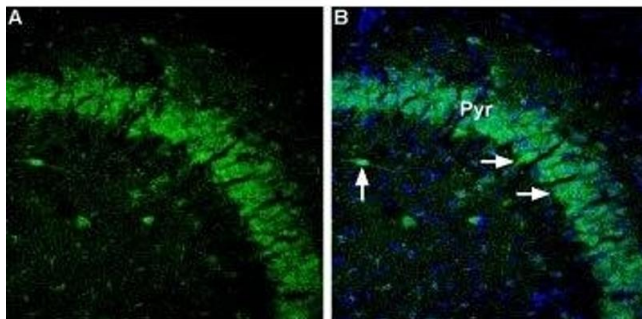
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 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 hippocampus (lanes 1 and 3) and mouse brain (lanes 2 and 4) lysates: - 1,2. Anti-GABA(A) α 5 Receptor Antibody (ABIN7043189, ABIN7044317 and ABIN7044318), (1:400).3,4. Anti-GABA(A) α 5 Receptor Antibody, preincubated with GABA(A) α 5 Receptor Blocking Peptide (#BLP-GA025).



Immunohistochemistry

Image 2. Expression of GABRA5 in mouse brain - Immunohistochemical staining of mouse hippocampus sections using Anti-GABA(A) α 5 Receptor Antibody (ABIN7043189, ABIN7044317 and ABIN7044318), (1,600). A. GABRA5 staining (green). B. Merged image of GABRA5 (green) with nuclei staining using DAPI as the counterstain (blue). GABRA5 is detected in the pyramidal layer (Pyr) (horizontal arrows) and in some interneurons (vertical arrow).