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Datasheet for ABIN7043186

anti-GABRA2 antibody (2nd Cytoplasmic Loop)

2 Images

Overview

Quantity:	25 µL
Target:	GABRA2
Binding Specificity:	2nd Cytoplasmic Loop, AA 393-405
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)TPEPNKKPENKPA, corresponding to amino acid residues 393-405 of rat GABRA2
Isotype:	IgG
Characteristics:	Anti-GABA(A) α2 Receptor Antibody (ABIN7043186, ABIN7044297 and ABIN7044298)) is directed against an epitope of the rat GABA (A) α2 receptor. Anti-GABA(A) α2 Receptor Antibody (ABIN7043186, ABIN7044297 and ABIN7044298)) can be used in western blot, immunohistochemistry and immunocytochemistry applications. It has been designed to recognize GABRA2 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

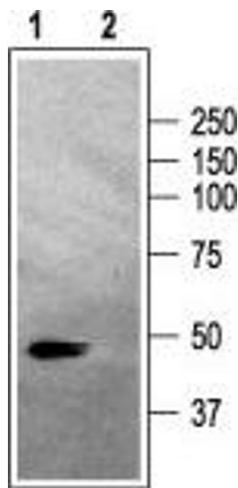
Target:	GABRA2
Alternative Name:	GABA(A) alpha2 Receptor (GABRA2 Products)
Background:	Alternative names: GABA(A) alpha2 Receptor, gamma-Aminobutyric acid receptor type A subunit alpha2, GABRA2
Gene ID:	289606
NCBI Accession:	NM_000807
UniProt:	P23576

Application Details

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

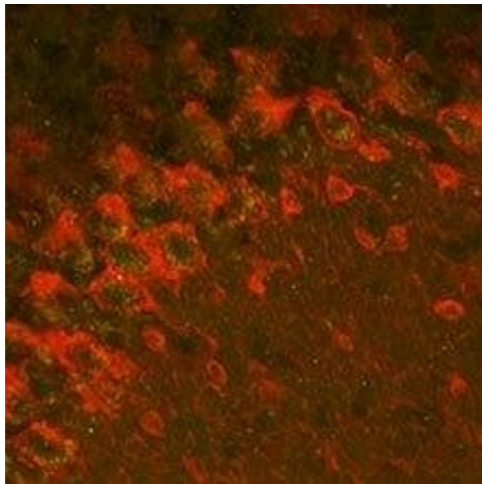
Handling

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, 5 % sucrose, 0.025 % 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of rat brain membranes: -
 1. Anti-GABA(A) α 2 Receptor Antibody (ABIN7043186, ABIN7044297 and ABIN7044298), (1:200). 2. Anti-GABA(A) α 2 Receptor Antibody, preincubated with GABA(A) α 2 Receptor Blocking Peptide (#BLP-GA002).



Immunohistochemistry

Image 2. Expression of GABRA2 in mouse cerebellum -
 Immunohistochemical staining of mouse formalin-fixed frozen cerebellum sections with Anti-GABA(A) α 2 Receptor Antibody (ABIN7043186, ABIN7044297 and ABIN7044298). The receptor subunit is localized mainly on the soma of Purkinje cells. Staining with mouse anti-parvalbumin (red) suggests that GABRA2 subunit is restricted to a sub-region of the Purkinje cell.