

Datasheet for ABIN7043187

**anti-GABRA3 antibody (Extracellular, N-Term)****3** Images[Go to Product page](#)

## Overview

Quantity:	25 µL
Target:	GABRA3
Binding Specificity:	AA 29-43, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP), Live Cell Imaging (LCI)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: QGESRRQEPGDFVKQ(C), corresponding to amino acid residues 29-43 of human GABRA3
Isotype:	IgG
Characteristics:	Anti-GABA(A) alpha3 Receptor (extracellular) Antibody is directed against an epitope of human GABA(A) α3 receptor. Anti-GABA(A) α3 Receptor (extracellular) Antibody (ABIN7043187, ABIN7044299 and ABIN7044300)) can be used in western blot, immunoprecipitation, immunocytochemistry, and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is highly suited to detect GABRA3 in living cells. It has been designed to recognize GABRA3 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

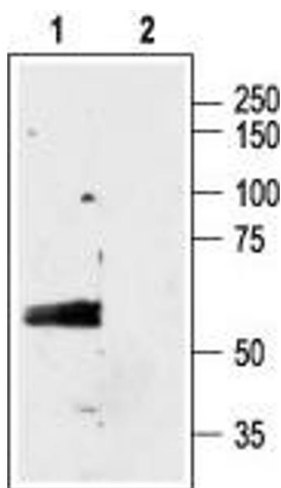
Target:	GABRA3
Alternative Name:	GABA(A) alpha3 Receptor ( <a href="#">GABRA3 Products</a> )
Background:	Alternative names: GABA(A) alpha3 Receptor, gamma-Aminobutyric acid receptor type A subunit alpha3, GABRA3
Gene ID:	2556
NCBI Accession:	<a href="#">NM_000808</a>
UniProt:	<a href="#">P34903</a>

## Application Details

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

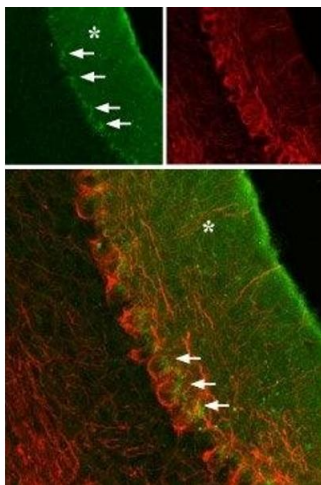
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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)  $\alpha 3$  Receptor (extracellular) Antibody (ABIN7043187, ABIN7044299 and ABIN7044300), (1:200). 2. Anti-GABA(A)  $\alpha 3$  Receptor (extracellular) Antibody preincubated with GABA(A)  $\alpha 3$  Receptor (extracellular) Blocking Peptide (#BLP-GA003).



### Immunohistochemistry

**Image 2.** Expression of GABRA3 in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-GABA(A)  $\alpha 3$  Receptor (extracellular) Antibody (ABIN7043187, ABIN7044299 and ABIN7044300), (green), (1:100). GABRA3 is localized to the molecular layer (asterisk) and a portion of the Purkinje cell body (arrows), which is outlined by axonal staining using mouse anti-neurofilament 200 (red).

### Immunocytochemistry

**Image 3.** Expression of GABRA3 in rat insulinoma cell line - Cell surface detection of GABRA3 in intact living rat RIN-m cells using Anti-GABA(A)  $\alpha 3$  Receptor (extracellular) Antibody (ABIN7043187, ABIN7044299 and ABIN7044300), (1:50) followed by goat anti-rabbit-AlexaFluor-550 secondary antibody. Extracellular staining (red) merged with live view of the cells.

