

Datasheet for ABIN7153529  
**anti-GABBR2 antibody (AA 60-310)**



[Go to Product page](#)

## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µL                                |
| Target:              | GABBR2                                |
| Binding Specificity: | AA 60-310                             |
| Reactivity:          | Human                                 |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This GABBR2 antibody is un-conjugated |
| Application:         | ELISA                                 |

## Product Details

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Gamma-aminobutyric acid type B receptor subunit 2 protein (60-310AA) |
| Isotype:          | IgG                                                                                    |
| Cross-Reactivity: | Human                                                                                  |
| Purification:     | Antigen Affinity Purified                                                              |

## Target Details

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | GABBR2                                                                                                                                                                       |
| Alternative Name: | GABBR2 ( <a href="#">GABBR2 Products</a> )                                                                                                                                   |
| Background:       | Background: Component of a heterodimeric G-protein coupled receptor for GABA, formed by GABBR1 and GABBR2. Within the heterodimeric GABA receptor, only GABBR1 seems to bind |

## Target Details

agonists, while GABBR2 mediates coupling to G proteins. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase, stimulates phospholipase A2, activates potassium channels, inactivates voltage-dependent calcium-channels and modulates inositol phospholipid hydrolysis. Plays a critical role in the fine-tuning of inhibitory synaptic transmission. Pre-synaptic GABA receptor inhibits neurotransmitter release by down-regulating high-voltage activated calcium channels, whereas postsynaptic GABA receptor decreases neuronal excitability by activating a prominent inwardly rectifying potassium (Kir) conductance that underlies the late inhibitory postsynaptic potentials. Not only implicated in synaptic inhibition but also in hippocampal long-term potentiation, slow wave sleep, muscle relaxation and antinociception.

Aliases: BcDNA:GH07312 antibody, CG6706 antibody, CT20836 antibody, D Gaba2 antibody, FLJ36928 antibody, G protein coupled receptor 51 antibody, G-protein coupled receptor 51 antibody, GAB B R2 antibody, GABA B R2 antibody, GABA B receptor 2 antibody, GABA-B receptor 2 antibody, GABA-B-R2 antibody, GABA-BR2 antibody, GABAB R2 antibody, GABABR 2 antibody, GABABR2 antibody, GABB R2 antibody, GABBR 2 antibody, Gabbr2 antibody, GABR2\_HUMAN antibody, Gamma aminobutyric acid B receptor 2 antibody, Gamma aminobutyric acid GABA B receptor 2 antibody, Gamma aminobutyric acid type B receptor subunit 2 antibody, Gamma-aminobutyric acid type B receptor subunit 2 antibody, Gb 2 antibody, Gb2 antibody, GH07312 antibody, GPR 51 antibody, GPR51 antibody, GPRC 3B antibody, GPRC3B antibody, HG 20 antibody, HG20 antibody, HRIHFB2099 antibody, Metabotropic GABA B receptor subtype 2 antibody, OTTHUMP00000021776 antibody, OTTHUMP00000063797 antibody, R2 SUBUNIT antibody

UniProt: [O75899](#)

Pathways: [cAMP Metabolic Process](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

## Handling

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|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Buffer:            | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.                                                                   |
| 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:           | -20 °C,-80 °C                                                                                                          |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                          |