

Datasheet for ABIN1721529  
**anti-GABBR1 antibody (C-Term)**



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## Overview

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Quantity:            | 100 µg                                           |
| Target:              | GABBR1                                           |
| Binding Specificity: | AA 873-977, C-Term                               |
| Reactivity:          | Human, Rat, Mouse                                |
| Host:                | Mouse                                            |
| Clonality:           | Monoclonal                                       |
| Conjugate:           | This GABBR1 antibody is un-conjugated            |
| Application:         | Western Blotting (WB), Immunocytochemistry (ICC) |

## Product Details

|               |                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Fusion protein corresponding to aa 873-977 (cytoplasmic C-terminus) of rat GABA(B)R1 (accession no. NP_112290.2). |
| Clone:        | S93A-49                                                                                                           |
| Isotype:      | IgG1                                                                                                              |
| Specificity:  | Reacts with human GABA(B)R1. Cross-reacts with mouse and rat protein. Do not cross-react with GABA(B)R2.          |
| Purification: | Purified (protein G)                                                                                              |

## Target Details

|         |        |
|---------|--------|
| Target: | GABBR1 |
|---------|--------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Alternative Name: | GABA(B)R1 ( <a href="#">GABBR1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>GABA (γ-aminobutyric acid) is the primary inhibitory neurotransmitter in the central nervous system and interacts with three different receptors: GABA(A), GABA(B), and GABA(C). GABA(B) receptor is coupled to G proteins that modulate slow inhibitory synaptic transmission.</p> <p>Functional GABA(B) receptors form heterodimers of GABA(B)R1 and GABA(B)R2 in which GABA(B)R1 binds a ligand and GABA(B)R2 is the primary G protein contact site.</p> <p>Gamma-aminobutyric acid type B receptor subunit 1 GABA-B receptor 1, GABA-B-R1 GABA-BR1 GABABR1, Gb1 Gene name : GABBR1</p> |
| Gene ID:          | 2550                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt:          | <a href="#">Q9UBS5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pathways:         | <a href="#">Positive Regulation of Peptide Hormone Secretion, cAMP Metabolic Process</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Application Details

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Working dilution: Optimal dilution should be determined by the end user.</p> <p>The following are guidelines only :</p> <p>ICC(1 - 5 µg/mL) WB(1 - 2 µg/mL)</p> <p>Positive control: Rat brain membranes.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                            |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS, pH 7.4, glycerol 50 % .                                                                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Dilute in PBS or medium that is identical to that used in the assay system.                                            |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Stable for at least one year at -20°C. Avoid multiple freeze-thaw cycles.                                              |
| Expiry Date:       | 12 months                                                                                                              |