



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Anti-GABA A Receptor Beta 3 Antibody [S87-25]

Mouse Anti-Mouse GABA A Receptor Beta 3  
Monoclonal IgG1  
Catalog No. SMC-339



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

GABA A Receptor Beta 3 Antibody

### Description

Mouse Anti-Mouse GABA A Receptor Beta 3 Monoclonal IgG1

### Species Reactivity

Human, Mouse, Rat

### Applications

WB, ICC/IF

### Antibody Dilution

WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Mouse

### Immunogen

Fusion protein amino acids 370-433 of mouse GABA-A-R-Beta3

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

---

---

**Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

---

**Storage Temperature**

-20°C

---

**Shipping Temperature**

Blue Ice or 4°C

---

**Purification**

Protein G Purified

---

**Clonality**

Monoclonal

---

**Clone Number**

S87-25

---

**Isotype**

IgG1

---

**Specificity**

Detects ~55kDa. No cross-reactivity against GABA-A-R-Beta 2 or Beta1.

---

**Cite This Product**

Mouse Anti-Mouse GABA A Receptor Beta 3 Monoclonal, Clone S87-25 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-339)

---

**Certificate Of Analysis**

1 µg/ml of SMC-339 was sufficient for detection of Beta3 GABA receptor in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

---

**Biological Description**

---

**Alternative Names**

ECA5 antibody, GABA alpha receptor beta-2 subunit antibody, GABA(A) receptor subunit beta-3 antibody, GABAA receptor beta 3 subunit antibody, GABAA receptor subunit beta 3 antibody, GABR B3 antibody, Gabrb3 antibody, Gamma aminobutyric acid (GABA) A receptor beta 3 antibody, Gamma aminobutyric acid receptor subunit beta 3 antibody, Gamma-aminobutyric acid receptor subunit beta-3 antibody, GBRB3\_HUMAN antibody, MGC9051 antibody

---

## Research Areas

GABA Receptors, GABAA Receptors, Neuroscience, Neurotransmitter Receptors

---

## Cellular Localization

Cell Junction, Cell membrane, Postsynaptic cell membrane, Synapse

---

## Accession Number

NP\_032097.1

---

## Gene ID

14402

---

## Swiss Prot

P63080

---

## Scientific Background

The GABA-A receptor is a member of the superfamily of fast acting ligand-gated ion channels. The individual subunits of these receptors have similar sequences and structural features (1). GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain (2).

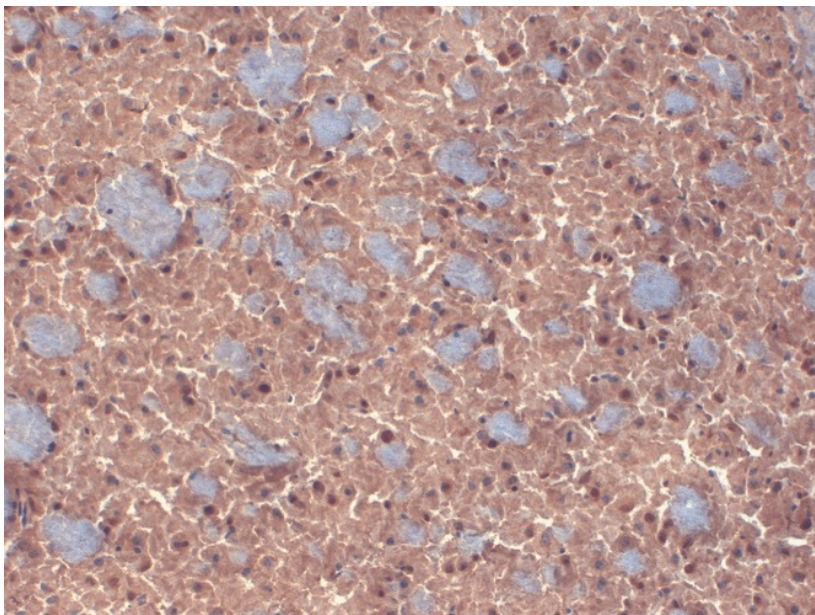
---

## References

1. Bracamontes J.R. and Steinbach J.H. (2008) J Bio Chem. 283: 26128-26136.
  2. Macdonald R.L., Olsen R.W. (1993) Annu Rev Neurosci. 17: 569-602.
- 

## Product Images

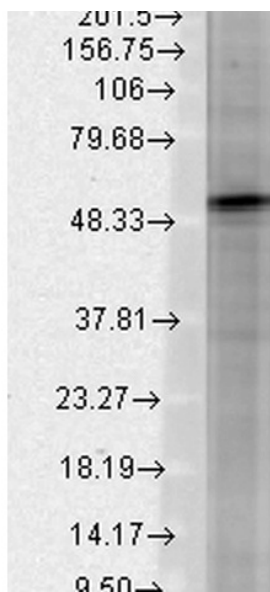
---



Immunohistochemistry analysis using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S87-25 (SMC-339). Tissue: Brain. Species: mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody (SMC-339) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500  $\mu$ l for 5 minutes at RT.

---

Western Blot analysis of Rat brain membrane lysate



showing detection of GABA A Receptor protein using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S87-25 (SMC-339). Load: 15  $\mu$ g protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody (SMC-339) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

## Product Citations (2)

---

### Other Citations

---

#### **Biomarker Analysis with Grating Coupled Surface Plasmon Coupled Fluorescence.**

Mendoza, A., Dias, J.A., Zeltner, T. and Lawrence, D.A. (2014) J Adv Bio & Biotech. 1(1): 1-22.

**PubMed ID:**   **Reactivity:** Human   **Applications:** Antibody Microarray

#### **Biomarker Analysis with Grating Coupled Surface Plasmon Coupled Fluorescence.**

Mendoza, A., Dias, J.A., Zeltner, T. and Lawrence, D.A. (2014) J Adv Bio & Biotech. 1(1): 1-22.

**PubMed ID:**   **Reactivity:** Mouse   **Applications:** Antibody Microarray

## Reviews

---

There are no reviews yet.