



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-GABA A Receptor Alpha 2 Antibody [S399-19]

Mouse Anti-Rat GABA A Receptor Alpha 2 Monoclonal IgG1  
Catalog No. SMC-486



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

GABA A Receptor Alpha 2 Antibody

### Description

Mouse Anti-Rat GABA A Receptor Alpha 2 Monoclonal IgG1

### Species Reactivity

Human, Mouse, Rat

### Applications

WB, IHC, ICC/IF

### Antibody Dilution

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

### Host Species

Mouse

### Immunogen Species

Rat

### Immunogen

Fusion protein amino acids 350-385 (Cytoplasmic C-terminus) of rat GABA-A Receptor Alpha2

### 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

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### Storage Buffer

PBS pH7.4, 50% glycerol, 0.1% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

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**Purification**

Protein G Purified

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**Clonality**

Monoclonal

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**Clone Number**

S399-19

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**Isotype**

IgG1

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**Specificity**

Detects ~55kDa. Does not cross-react with GABA-A Receptor Alpha1.

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**Cite This Product**

Mouse Anti-Rat GABA A Receptor Alpha 2 Monoclonal, Clone S399-19 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-486)

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**Certificate Of Analysis**

A 1:100 dilution of SMC-486 was sufficient for detection of GABA-A R, Alpha2 in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

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**Biological Description**

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**Alternative Names**

GABA A receptor subunit alpha 2 Antibody, GABRA2 Antibody, Gamma aminobutyric acid A receptor Alpha 2 Antibody, GBRA2\_Human Antibody

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**Research Areas**

GABA Receptors, GABAA Receptors, Neuroscience, Neurotransmitter Receptors

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**Cellular Localization**

Cytoplasm

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**Accession Number**

NP\_001129251.1

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**Gene ID**

289606

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**Swiss Prot**

P23576

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**Scientific Background**

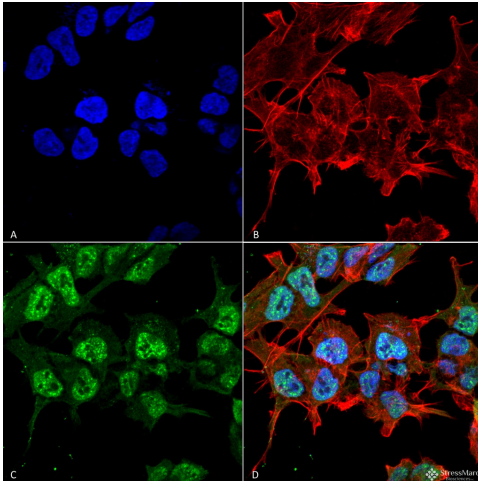
The GABA-A receptor is a member of the superfamily of fast acting ligand-gated ion channels. The individual subunits of these receptors have similar sequences and structural features (1). GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain (2).

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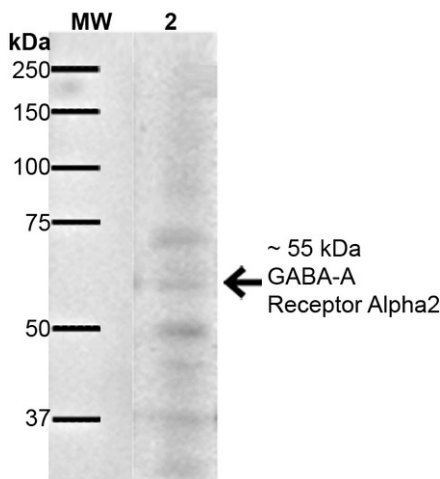
**References**

1. Bracamontes J.R. and Steinbach J.H. (2008) J Bio Chem. 283: 26128-26136.

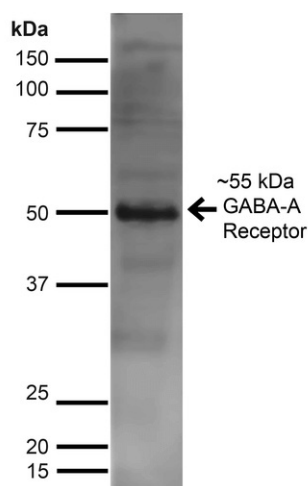
## Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha2 Monoclonal Antibody, Clone S399-19 (SMC-486). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha2 Monoclonal Antibody (SMC-486) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) GABA-A Receptor Alpha2 Antibody (D) Composite.



Western Blot analysis of Mouse Brain showing detection of ~55 kDa GABA A Receptor Alpha 2 protein using Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody, Clone S399-19 (SMC-486). Lane 1: MW Ladder. Lane 2: Mouse Brain. Load: 20  $\mu$ g . Primary Antibody: Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody (SMC-486) at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: ~55 kDa. Other Band(s): ~ 37 kDa, ~50 kDa, ~70 kDa.



Western Blot analysis of Rat Brain showing detection of ~55 kDa GABA A Receptor Alpha 2 protein using Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody, Clone S399-19 (SMC-486). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 10  $\mu$ g . Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody (SMC-486) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:100 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~55 kDa.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.