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Datasheet for ABIN2485727

## anti-GABRA1 antibody (AA 350-385) (APC)

### 4 Images

#### Overview

Quantity:	100 µg
Target:	GABRA1
Binding Specificity:	AA 350-385
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GABRA1 antibody is conjugated to APC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Fusion protein amino acids 350-385 (Cytoplasmic C-terminus) of rat GABA-A Receptor Alpha2
Clone:	S399-19
Isotype:	IgG1
Specificity:	Detects ~55 kDa. Does not cross-react with GABA-A Receptor Alpha1.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

#### Target Details

Target:	GABRA1
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## Target Details

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Alternative Name:	GABA A Receptor ( <a href="#">GABRA1 Products</a> )
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).
Gene ID:	289606
NCBI Accession:	<a href="#">NP_001129251</a>
UniProt:	<a href="#">P23576</a>

## Application Details

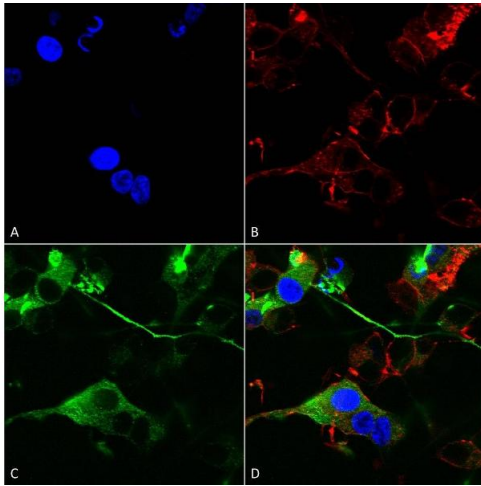
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Application Notes:	<ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• ICC/IF (1:100)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	A 1:100 dilution of ABIN2485727 was sufficient for detection 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.
Restrictions:	For Research Use only

## Handling

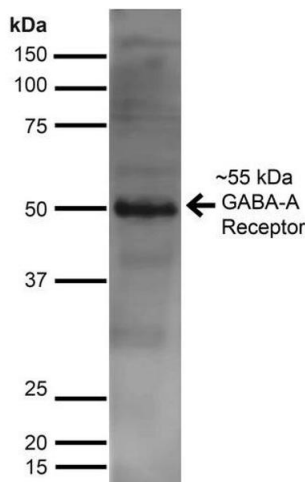
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.1 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



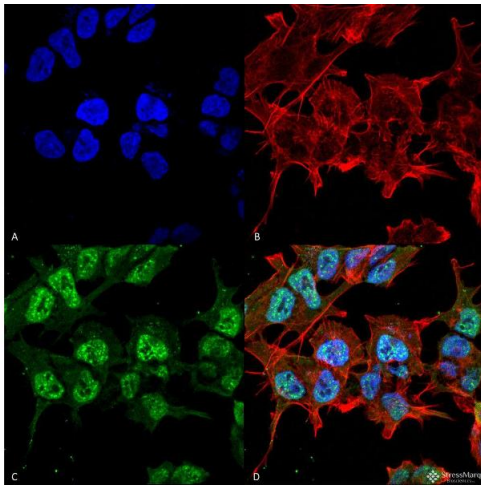
### Immunocytochemistry

**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha 2 Monoclonal Antibody, Clone S399-19 (ABIN2485727). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha 2 Monoclonal Antibody (ABIN2485727) at 1:200 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) GABA-A Receptor Alpha 2 Antibody (D) Composite.



### Western Blotting

**Image 2.** 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. Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 10 µg. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody 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.



### Immunofluorescence (fixed cells)

**Image 3.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha2 Monoclonal Antibody, Clone S399-19. 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 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2485727.