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Datasheet for ABIN2485008

# anti-GABRA1 antibody (AA 15-34) (PerCP)





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### Overview

Quantity:	100 μg
Target:	GABRA1
Binding Specificity:	AA 15-34
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GABRA1 antibody is conjugated to PerCP
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Antibody Array (AA)

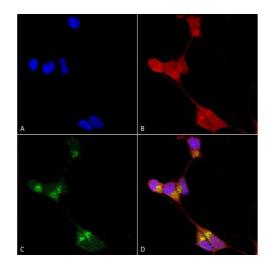
# **Product Details**

Immunogen:	Synthetic peptide amino acids 15-34 (N-terminus) of rat GABA-A-R-Delta
Clone:	N151-3 (Formerly S151-3)
Isotype:	lgG2a
Specificity:	Detects ~55 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

# **Target Details**

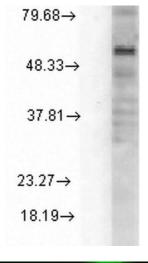
# **Target Details**

l arget Details	
Alternative Name:	GABA A Receptor (GABRA1 Products)
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:	29689
NCBI Accession:	NP_058985
UniProt:	P18506
Application Details	
Application Notes:	<ul> <li>WB (1:1000)</li> <li>IHC (1:1000)</li> <li>ICC/IF (1:100)</li> <li>optimal dilutions for assays should be determined by the user.</li> </ul>
Comment:	$2 \mu g/ml$ of ABIN2485008 was sufficient for detection of Delta1 GABA-A receptor in 10 $\mu g$ of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % 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



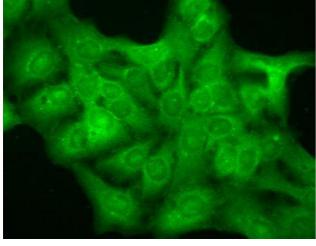
# Immunocytochemistry

Immunocytochemistry/Immunofluorescence **Image** analysis using Mouse Anti-GABA-A Receptor Monoclonal Antibody, Clone N151/3 (ABIN2485008). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Monoclonal GABA-A Receptor Delta Antibody (ABIN2485008) at 1:100 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 Delta Antibody (D) Composite.



#### **Western Blotting**

Image 2. Western Blot analysis of Rat Cell line lysates showing detection of GABA A Receptor protein using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S151-3. Load: 15 μg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



# Immunofluorescence (fixed cells)

**Image** 3. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S151-3. Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Diffuse cytoplasm and dull nuclei.

Please check the product details page for more images. Overall 4 images are available for ABIN2485008.