Mouse anti-Mouse, Rat GABA-A Receptor Alpha2 Monoclonal Antibody | anti-GABA-A antibody

Mouse Anti-Rat GABA-A Receptor Alpha2 Monoclonal IgG1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103785	**Mouse**	**Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GABA-A Receptor Alpha2; Monoclonal Antibody; Mouse Anti-Rat GABA-A Receptor Alpha2 Monoclonal IgG1; GABA A receptor subunit alpha 2 Antibody; GABRA2 Antibody; Gamma aminobutyric acid A receptor Alpha 2 Antibody; GBRA2_Human Antibody; GABA-A Receptor Alpha2 Antibody: ATTO 390; Mouse Anti-Rat GABA A Receptor Monoclonal; Clone S399-19; Anti-GABA-A Receptor Alpha2; GABA-A Receptor Alpha2 Antibody; anti-GABA-A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	S399-19
Purity/Purification	Protein G Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	452
Applicable Applications for anti-GABA-A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein amino acids 350-385 (Cytoplasmic C-terminus) of rat GABA-A Receptor Alpha2
Immunogen Species	Rat
COA	A 1:100 dilution was sufficient for detection of GABA-A R, Alpha2 in 20 ug of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Storage Buffer	PBS pH7.4, 50% glycerol, 0.1% sodium azide
Conjugate	ATTO 390
Cellular Localization	Cytoplasm
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)
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 ug. 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.



WB (Western Blot)
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. Lane 1: MW Ladder. Lane 2: Mouse Brain. Load: 20 ug. Primary Antibody: Mouse Anti-GABA A Receptor Alpha 2 Monoclonal Antibody at 1:1000 for 16 hours at 4 degree 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GABA-A antibody	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).
Product Categories/Family for anti-GABA-A antibody	Neuroscience; Neurotransmitter Receptors; GABA Receptors; GABAA Receptors
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209413778
NCBI GeneID	289606
NCBI Accession #	NP_001129251.1
NCBI GenBank Nucleotide #	NM_001135779.1
UniProt Accession #	P23576
Molecular Weight	Detects ~55kDa.
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-2
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor alpha2 subunit
NCBI Official Symbol	Gabra2
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-2
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-2
UniProt Gene Name	**Gabra2**
UniProt Synonym Gene Names	Gabra-2
UniProt Entry Name	GBRA2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/gaba-a-receptor-alpha2-antibody-clone-s399-19-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/103785