Mouse GABA(A) Receptor Alpha1 Monoclonal Antibody | anti-Gabra1 antibody

GABA-A Receptor Alpha-1 Antibody: ATTO 594

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103167	**Mouse**	**Mouse, Human, Rat**	**Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

GABA(A) Receptor Alpha1; Monoclonal Antibody; GABA-A Receptor Alpha-1 Antibody: ATTO 594; Gabrb-1; Gabrb1; AW061132; anti-Gabra1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Human, Rat
Clonality	Monoclonal
Isotype	IgG2A
Clone Number	S95-35
Form/Format	Protein G Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	455
Applicable Applications for anti-Gabra1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Conjugate	ATTO 594
Storage Buffer	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Preparation and Storage	-20 degree C

IMAGES

WB (Western Blot)
Western Blot analysis of Human Cell line lysates showing detection of GABA A Receptor protein using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S95-35. Load: 15 ug. 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.

IHC (Immunohistochemistry)
Immunohistochemistry analysis using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S95-35. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. 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: Dermal Cells.

ADDITIONAL INFORMATION

Related Product Information for anti-Gabra1 antibody	**Background Info:** Detects ~55kDa. No cross-reactivity against GABA-A-R-Alpha 2 or -Alpha3. **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 (3). GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain (4).

Product Categories/Family for anti-Gabra1 antibody	Ion Channels; Neuroscience
References	1. Hille B. (2001) Ion Channels of Excitable Membranes, 3rd Ed., Sinauer Associated Inc.: Sunderland, MA USA. 2. www.iochannels.org 3. Bracamontes J.R. and Steinbach J.H. (2008) J Bio Chem. 283: 26128-26136. 4. Macdonald R.L., Olsen R.W. (1993) Annu Rev Neurosci. 17: 569-602.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753936
NCBI GeneID	14394
NCBI Accession #	NP_034380.1
NCBI GenBank Nucleotide #	NM_010250.5
UniProt Accession #	P14867; P18504; P62812
Molecular Weight	51,754 Da
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-1
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 1
NCBI Official Symbol	Gabra1
NCBI Official Synonym Symbols	Gabra-1
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-1; GABAA alpha 1; GABAAR alpha1; GABA(A) receptor subunit alpha-1; gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 1
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-1
UniProt Gene Name	**Gabra1**
UniProt Synonym Gene Names	Gabra-1
UniProt Entry Name	GBRA1_MOUSE

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/gabaa-receptor-alpha1-antibody-clone-s95-35-immunocytochemistry-western-blot-elisa/103167