Mouse anti-Rat, Mouse GABA(A) Receptor Delta Monoclonal Antibody | anti-Gabrd antibody

GABA-A Receptor Delta Antibody: HRP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103068	**Mouse**	**Rat, Mouse**	**Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

GABA(A) Receptor Delta; Monoclonal Antibody; GABA-A Receptor Delta Antibody: HRP; GABAA-RD; Gabrd; MGC105467; anti-Gabrd antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	S151-3
Form/Format	Protein G Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	449
Applicable Applications for anti-Gabrd antibody	ICC (Immunocytochemistry), WB (Western Blot)
Conjugate	HRP
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 Rat Cell line lysates showing detection of GABA A Receptor protein using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S151-3. 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.

ICC (Immunocytochemistry)
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 degree 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.

ADDITIONAL INFORMATION

Related Product Information for anti-Gabrd antibody	**Background Info:** Detects ~55kDa. **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-Gabrd 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 #	8393393
NCBI GeneID	29689
NCBI Accession #	NP_058985.1
NCBI GenBank Nucleotide #	NM_017289.1
UniProt Accession #	P18506
Molecular Weight	50,566 Da
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit delta
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) A receptor, delta
NCBI Official Symbol	Gabrd
NCBI Official Synonym Symbols	GABAA-RD
NCBI Protein Information	gamma-aminobutyric acid receptor subunit delta; GABAA receptor delta subunit; GABA-A receptor delta-subunit; GABA(A) receptor subunit delta; gamma-aminobutyric acid A receptor, delta; gamma-aminobutyric acid A receptor, delta; gamma-aminobutyric acid (GABA-A) receptor, subunit delta
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit delta
UniProt Gene Name	**Gabrd**
UniProt Entry Name	GBRD_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/gabaa-receptor-delta-antibody-clone-s151-3-immunocytochemistry-western-blot-elisa/103068