

Rabbit GABA B 2 Monoclonal Antibody | anti-Gabbr2 antibody

GABA B Receptor 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312602	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

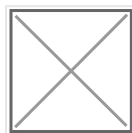
PRODUCT SYNONYMS

GABA B 2; Monoclonal Antibody; GABA B Receptor 2 Antibody; BcDNA:GH07312 antibody; CG6706 antibody; CT20836 antibody; D Gaba2 antibody; FLJ36928 antibody; G protein coupled receptor 51 antibody; G-protein coupled receptor 51 antibody; GAB B R2 antibody; GABA B R2 antibody; GABA B receptor 2 antibody; GABA-B receptor 2 antibody; GABA-B-R2 antibody; GABA-BR2 antibody; GABAB R2 antibody; GABABR 2 antibody; GABABR2 antibody; GABB R2 antibody; GABBR 2 antibody; Gabbr2 antibody; GABR2_HUMAN antibody; Gamma aminobutyric acid B receptor 2 antibody; Gamma aminobutyric acid GABA B receptor 2 antibody; Gamma aminobutyric acid type B receptor subunit 2 antibody; Gamma-aminobutyric acid type B receptor subunit 2 antibody; Gb 2 antibody; Gb2 antibody; GH07312 antibody; GPR 51 antibody; GPR51 antibody; GPRC 3B antibody; GPRC3B antibody; HG 20 antibody; HG20 antibody; HRIHFB2099 antibody; Metabotropic GABA B receptor subtype 2 antibody; OTTHUMP00000021776 antibody; OTTHUMP00000063797 antibody; R2 SUBUNIT antibody; anti-Gabbr2 antibody

PRODUCT SPECIFICATIONS

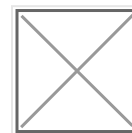
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JU31-32
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Gabbr2 antibody	ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with GABA B Receptor 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti- GABA B Receptor 2 antibody. Counter stained with hematoxylin.



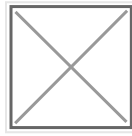
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-GABA B Receptor 2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GABA B Receptor 2 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of GABA B Receptor 2 on mouse cerebellum tissue lysate using anti-GABA B Receptor 2 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Gabbr2 antibody

In the central nervous system (CNS), gamma-aminobutyric acid (GABA) is the main main inhibitory neurotransmitter that functions to regulate neuronal firing. GABA exerts its effects through two different kinds of receptors: ionotropic receptors (GABAA R and GABAC R), which produce fast inhibitory signals, and metabotropic receptors (GABAB R), which produce slow inhibitory signals. The GABAB R receptor is a heterodimer that consists of two multi-pass membrane proteins, designated GABAB R1 and GABAB R2, both of which belong to the G protein-coupled receptor family and are highly expressed in brain tissue. Together, GABAB R1 and GABAB R2 play a crucial role in the fine-tuning of inhibitory synaptic transmissions and are implicated in slow wave sleep, muscle relaxation, hippocampal long-term potentiation and antinociception events. Both GABAB R1 and GABAB R2 are regulated by G proteins that have a variety of functions, including activation of potassium channels, inhibition of adenylyl cyclase (A cyclase) activity and modulation of inositol phospholipid hydrolysis.

Product Categories/Family for anti-Gabbr2 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	124487263
NCBI GeneID	242425
NCBI Accession #	NP_001074610.1
NCBI GenBank Nucleotide #	NM_001081141.1
UniProt Accession #	Q80T41 ; A2AL05
Molecular Weight	105,666 Da
NCBI Official Full Name	gamma-aminobutyric acid type B receptor subunit 2
NCBI Official Synonym Full Names	gamma-aminobutyric acid (GABA) B receptor, 2
NCBI Official Symbol	Gabbr2
NCBI Official Synonym Symbols	Gb2; Gm425; Gpr51; GABABR2
NCBI Protein Information	gamma-aminobutyric acid type B receptor subunit 2
UniProt Protein Name	Gamma-aminobutyric acid type B receptor subunit 2
UniProt Gene Name	Gabbr2
UniProt Synonym Gene Names	Gm425; Gpr51; GABA-B receptor 2; GABA-B-R2; GABA-BR2; GABABR2; Gb2
UniProt Entry Name	GABR2_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/gaba-b-2-antibody-clone-ju31-32-immunocytochemistry-flow-cytometry-immunohistochemistry-western-blot-elisa/312602>