Anti-GABBR2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015282

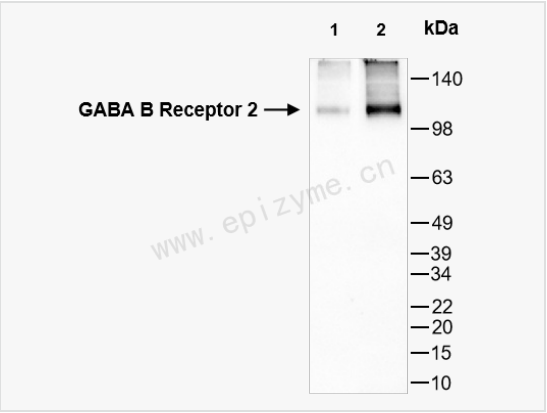
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	66C46I94
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GABA B Receptor 2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GABBR2 Rabbit mAb [66C46I94] is for research use only and not for use in diagnostic or therapeutic procedures.

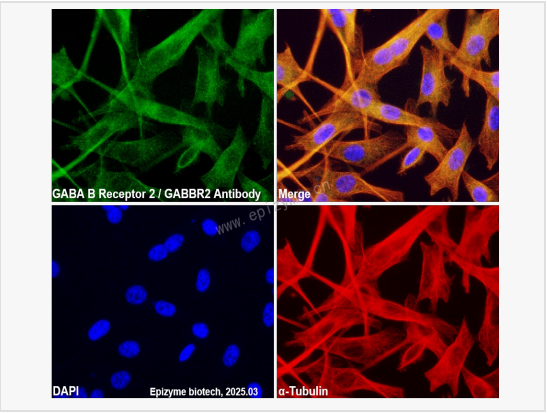
Protein Information

Synonyms	BcDNA GH07312; CG6706; CT20836; D Gaba2; FLJ36928; G protein coupled receptor 51; G protein coupled receptor 51; GAB B R2; GABA B R2; GABA B receptor 2; GABA B receptor 2; GABA B R2; GABA BR2; GABAB R2; GABABR 2; GABABR2; GABB R2; GABBR 2; Gabbr2; GABR2 HUMAN; Gamma aminobutyric acid B receptor 2; Gamma aminobutyric acid GABA B receptor 2; Gamma aminobutyric acid type B receptor subunit 2; Gamma aminobutyric acid type B receptor subunit 2; Gb 2; Gb2; GH07312; GPR 51; GPR51; GPRC 3B; GPRC3B; HG 20; HG20; HRIHFB2099; Metabotropic GABA B receptor subtype 2; OTTHUMP00000021776; OTTHUMP00000063797; R2 SUBUNIT.
Calculated MW	Calculated MW: 106 kDa; Observed MW: 106 kDa
Uniprot ID	O75899
Gene ID	9568
Background	The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.[provided by RefSeq, Jan 2010]
Cellular Location	Cell membrane. Cell junction > synapse > postsynaptic cell membrane. Moreover coexpression of GABA-B-R1 and GABA-B-R2 appears to be a prerequisite for maturation and transport of GABA-B-R1 to the plasma membrane.
Tissue Location	Highly expressed in brain, especially in cerebral cortex, thalamus, hippocampus, frontal, occipital and temporal lobe, occipital

Validation Images



Western Blot - Anti-GABBR2 Rabbit mAb [66C46I94]
All lanes: R015282 at 1:1,000 dilution
Lane 1: Rat brain whole tissue lysates
Lane 2: Mouse brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 106 kDa
Observed band size: 106 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-GABBR2 Rabbit mAb [66C46I94]
Sample: U87MG cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015282 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).