

## Anti-GABRB1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

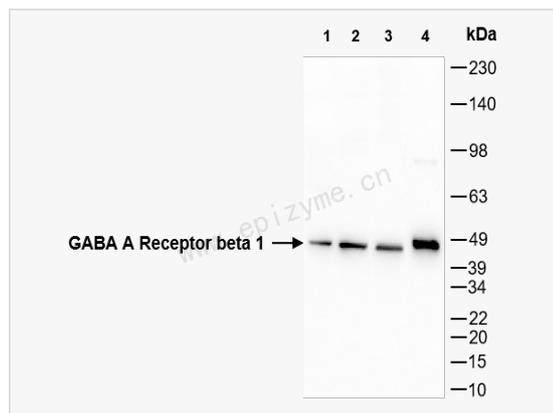
Catalog # R015256

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	62C69M90
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GABA A Receptor beta 1
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-GABRB1 Rabbit mAb [62C69M90] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	AW061132; B230208N19Rik; GABA(A) receptor beta 1; GABA(A) receptor subunit beta-1; GABA-A receptor, beta-1 polypeptide; Gabrb-1; GABRB1; Gamma aminobutyric acid (GABA) A receptor beta 1; Gamma Aminobutyric Acid A Receptor Beta 1; Gamma Aminobutyric Acid Receptor , beta-1; Gamma-aminobutyric acid (GABA) A receptor, subunit beta 1; Gamma-aminobutyric acid receptor subunit beta-1; GARBI; GBRBI_HUMAN.
Calculated MW	Calculated MW: 54 kDa; Observed MW: 48 kDa
Uniprot ID	P18505
Gene ID	2560
Background	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia. [provided by RefSeq, Jul 2008].
Cellular Location	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.



Western Blot - Anti-GABRB1 Rabbit mAb [62C69M90]

All lanes: R015256 at 1:1,000 dilution

Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 4: Mouse brain whole tissue lysates

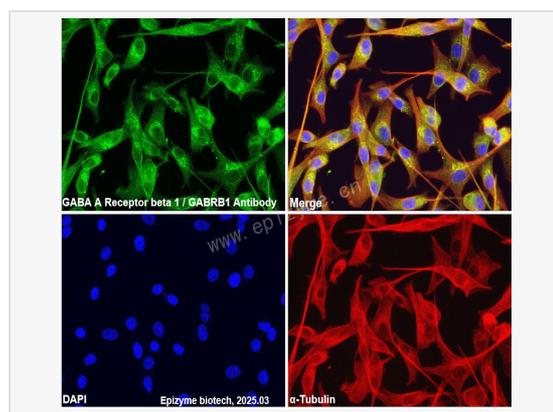
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 54 kDa

Observed band size: 48 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-GABRB1 Rabbit mAb [62C69M90]

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: R015256 at 1:100 dilution and  $\alpha$ -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).