

## Anti-GABRA5 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

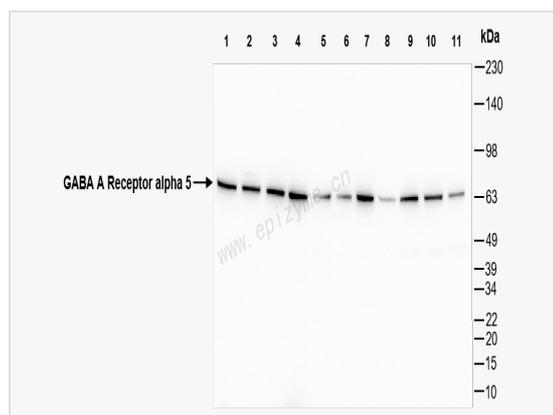
Catalog # R015255

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	40L58L02
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GABA A Receptor alpha 5
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-GABRA5 Rabbit mAb [40L58L02] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	GAA 5; GAA5; GABA(A) receptor subunit alpha-5; GABRA 5; Gabra5; Gamma aminobutyric acid GABA A receptor alpha 5; Gamma aminobutyric acid GABA A receptor alpha 5 precursor; Gamma aminobutyric acid receptor alpha 5 subunit precursor GABA A receptor; Gamma-aminobutyric acid receptor subunit alpha-5; GBRA5_HUMAN; GC138184.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 63 kDa
Uniprot ID	P31644
Gene ID	2558
Background	GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. Transcript variants utilizing three different alternative non-coding first exons have been described. [provided by RefSeq, Jul 2008].
Cellular Location	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.



Western Blot - Anti-GABRA5 Rabbit mAb [40L58L02]

All lanes: R015255 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

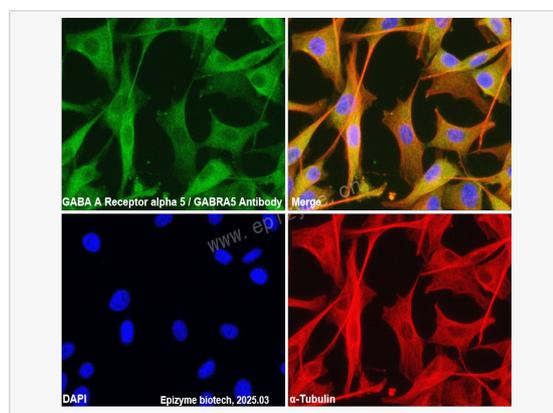
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at

1:5,000 dilution

Predicted band size: 52 kDa

Observed band size: 60 kDa

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



Immunofluorescence - Anti-GABRA5 Rabbit mAb [40L58L02]

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: R015255 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).