

Anti-GABBR1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

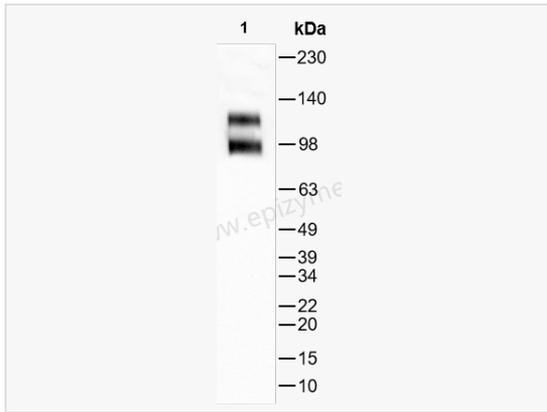
Catalog # R015844

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	64F61F06
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GABBR1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-GABBR1 Rabbit mAb [64F61F06] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	GPRC3A; GABBR1; Gamma-aminobutyric acid type B receptor subunit 1; GABA-B receptor 1; GABA-B-R1; GABA-BR1; GABABR1; Gb1.
Calculated MW	Calculated MW: 108 kDa; Observed MW: 130,95 kDa
Uniprot ID	Q9UBS5
Gene ID	2550
Background	This gene encodes a receptor for gamma-aminobutyric acid (GABA), which is the main inhibitory neurotransmitter in the mammalian central nervous system. This receptor functions as a heterodimer with GABA(B) receptor 2. Defects in this gene may underlie brain disorders such as schizophrenia and epilepsy. Alternative splicing generates multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jan 2016]
Cellular Location	Cell membrane.Multi-pass membrane protein.Postsynaptic cell membrane.Multi-pass membrane protein.Cell projection.Dendrite.Colocalizes with ATF4 in hippocampal neuron dendritic membranes (By similarity). Coexpression of GABBR1 and GABBR2 is required for GABBR1 maturation and transport to the plasma membrane (PubMed:15617512).Isoform 1E.Secreted.
Tissue Location	Highly expressed in brain (PubMed:9753614, PubMed:9844003, PubMed:9872744). Weakly expressed in heart, small intestine and uterus. Isoform 1A: Mainly expressed in granular cell and molecular layer (PubMed:9844003). Isoform 1B: Mainly expressed in Purkinje cells (PubMed:9844003). Isoform 1E: Predominantly expressed in peripheral tissues as kidney, lung, trachea, colon, small intestine, stomach, bone marrow, thymus and mammary gland (PubMed:10906333).



Western Blot - Anti-GABBR1 Rabbit mAb [64F61F06]

All lanes: R015844 at 1:1,000 dilution

Lane 1 : Mouse brain whole tissue lysates

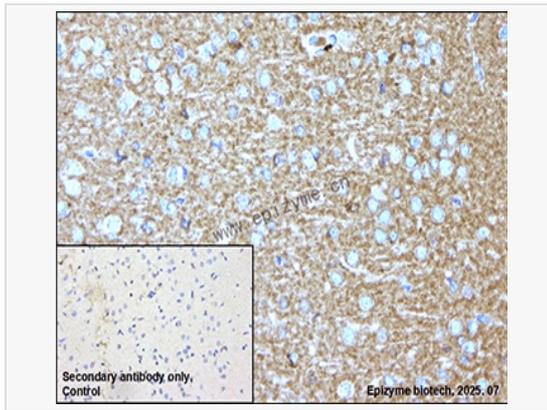
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 108 kDa

Observed band size: 130,95 kDa

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



Immunohistochemistry - Anti-GABBR1 Rabbit mAb [64F61F06]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015844 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.