



Rabbit Anti-GABRR2 antibody

SL12085R

Product Name:	GABRR2
Chinese Name:	G氨基丁酸A型受体rho2 /GABAA Rp2抗体
Alias:	GABA receptor Rho 2 subunit; GABA(A) receptor; GABA(A) receptor subunit rho-2; GABA(C) receptor; GABRR 2; Gamma aminobutyric acid receptor rho 2 subunit [Precursor]; Gamma-aminobutyric acid (GABA) A receptor, rho 2; Gamma-aminobutyric acid receptor subunit rho-2; Rho 2 GABA receptor; GBRR2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Zebrafish,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GABRR2:161-260/465<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. The protein encoded by this gene is a member of the rho subunit family and is a component of the GABA receptor

complex. [provided by RefSeq, Jul 2008]

Function:

GABA is the major inhibitory neurotransmitter in the vertebrate brain and mediates neuronal inhibition by binding to the gaba/benzodiazepine receptors and opening an integral chloride channel. GABRR2 is a member of the rho subunit family of GABA receptors and could play a role in retinal neurotransmission.

Subunit:

Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho. Interacts with SQSTM1

Subcellular Location:

Cell junction > synapse > postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRR2 sub-subfamily.

SWISS:

P28476

Gene ID:

2570

Database links:

[Entrez Gene: 2570](#) Human

[Entrez Gene: 14409](#) Mouse

[Entrez Gene: 29695](#) Rat

[Entrez Gene: 522099](#) Cow

[Omim: 137162](#) Human

[SwissProt: Q0II76](#) Cow

[SwissProt: P28476](#) Human

[SwissProt: P56476](#) Mouse

[Unigene: 99927](#) Human

[Unigene: 6227](#) Mouse

[Unigene: 48659](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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