SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-GABR B3 antibody

SL8544R

Product Name:	GABR B3
Chinese Name:	G氨基丁酸受体3抗体
Alias:	GABA A Receptor beta 3; ECA5; GABA alpha receptor beta-2 subunit; GABA(A) receptor subunit beta-3; GABAA receptor beta 3 subunit; GABAA receptor subunit beta 3; GABR B3; Gabrb3; Gamma aminobutyric acid (GABA) A receptor beta 3; Gamma aminobutyric acid receptor subunit beta 3; Gamma-aminobutyric acid receptor subunit beta-3; GBRB3_HUMAN; MGC9051.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:50-200（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 GABR B3/GABA A Receptor beta 3:31-130/473<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:	This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one the subunits of a multi-subunit chloride channel that serves as the receptor

for gamma-aminobutyric acid, a major inhibitory neurotransmitter of the mammalian nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two other genes encoding related subunits of the family. This gene may be associated with the pathogenesis of several disorders including Angelman syndrome, Prader-Willi syndrome, nonsyndromic orofacial clefts, epilepsy and autism. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013]

Function:
Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel.

Subunit:
Heteropentamer, formed by a combination of alpha, beta, gamma, delta and rho chains. Can form functional homopentamers (in vitro). Interacts with UBQLN1. May interact with KIF21B. Identified in a complex of 720 kDa composed of LHFPL4, NLGN2, GABRA1, GABRB2, GABRG2 and GABRB3 . Interacts with LHFPL4.

Subcellular Location:
Plasma membrane

Similarity:
Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.

SWISS:
P28472

Gene ID:
2562

Database links:

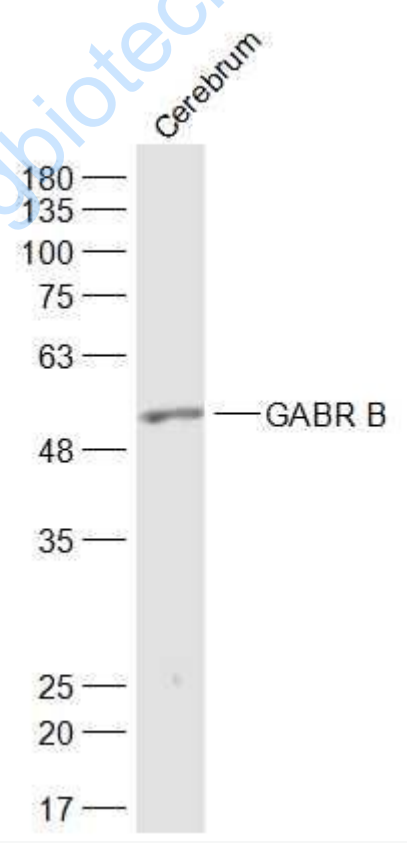
Entrez Gene: 2562Human

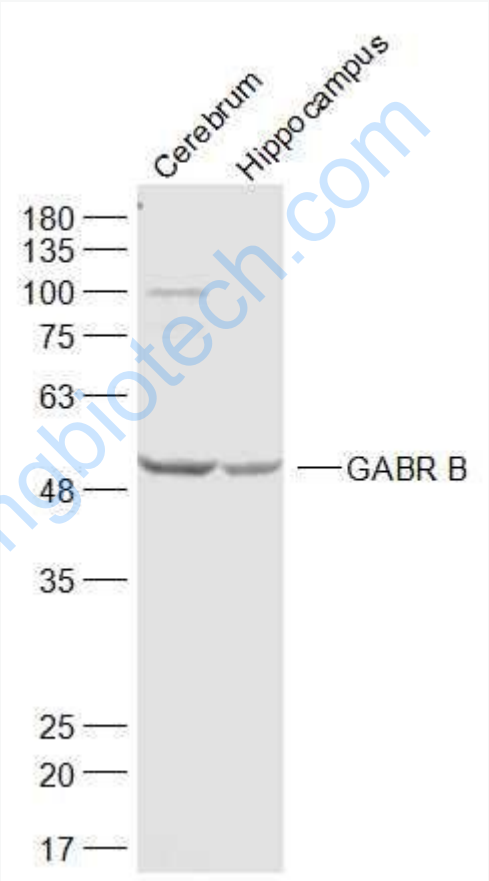
Entrez Gene: 14402Mouse

Entrez Gene: 24922Rat

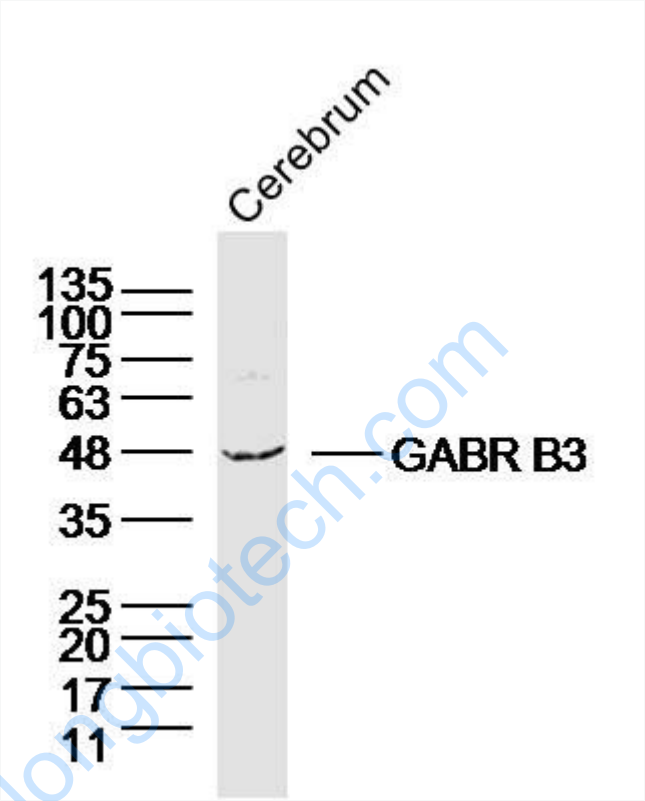
Omim: 137192Human

SwissProt: P28472Human

	SwissProt: P63080Mouse SwissProt: P63079Rat Unigene: 302352Human Unigene: 727263Human Unigene: 8004Mouse Unigene: 233948Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Cerebrum (Rat) Lysate at 40 ug

	Primary: Anti-GABR B3 (SL8544R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD  Sample: Cerebrum (Mouse) Lysate at 40 ug Hippocampus (Mouse) Lysate at 40 ug Primary: Anti-GABR B3 (SL8544R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD

Observed band size: 52 kD



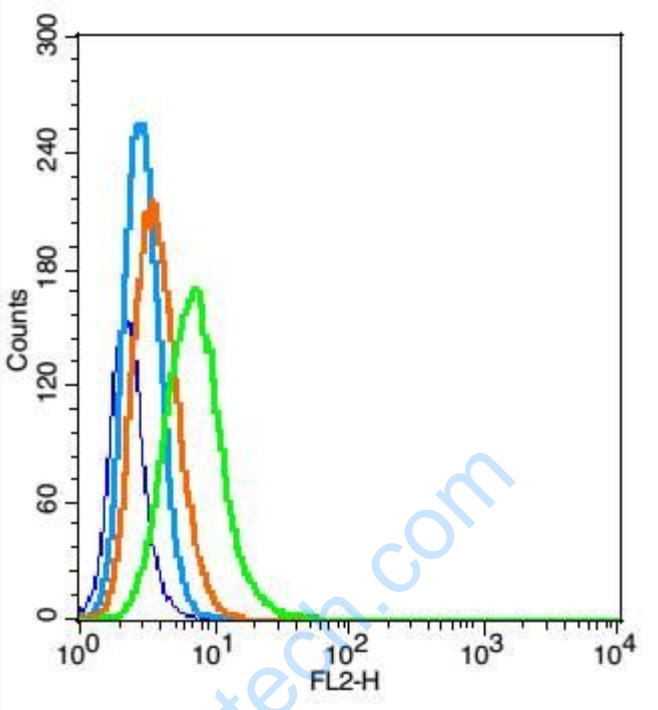
Sample: Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-GABR B3 (SL8544R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 48 kD



Blank control(blue):RSC96 (fixed with 2% paraformaldehyde (10 min)).

Primary Antibody:Rabbit Anti- GABR B3 antibody(SL8544R), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.