

Recombinant Rat Gabrb2 Protein, His-tagged

Cat. No. Gabrb2-1549R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gabrb2 Protein (Ser26-Arg231) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser26-Arg231
Description	Enables GABA-A receptor activity; chloride channel activity; and inhibitory extracellular ligand-gated ion channel activity. Contributes to GABA receptor activity. Involved in GABAergic synaptic transmission; cellular response to histamine; and chloride transmembrane transport. Located in cytosol and membrane. Is integral component of plasma membrane. Part of GABA-A receptor complex. Human ortholog(s) of this gene implicated in autistic disorder and developmental and epileptic encephalopathy 92. Orthologous to human GABRB2 (gamma-aminobutyric acid type A receptor subunit beta2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.4 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Gabrb2 gamma-aminobutyric acid (GABA) A receptor, beta 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Gabrb2
Synonyms	GABRB2; gamma-aminobutyric acid (GABA) A receptor, beta 2; gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2; Gamma-aminobutyric acid receptor beta 2; gamma-aminobutyric acid receptor, subunit beta 2; gamma-aminobutyric acid (GABA-A) receptor, subunit beta 2; GARB2;
Gene ID	25451
mRNA Refseq	NM_012957
Protein Refseq	NP_037089

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UniProt ID

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