Recombinant Human GABBR2 293 Cell Lysate

Cat. No. GABBR2-6072HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for gamma-aminobutyric acid (GABA) B receptor, 2 (GABBR2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GABBR2 gamma-aminobutyric acid (GABA) B receptor, 2 [Homo sapiens]
Official Symbol	GABBR2
Synonyms	GABBR2; gamma-aminobutyric acid (GABA) B receptor, 2; G protein coupled receptor 51 , GPR51; gamma-aminobutyric acid type B receptor subunit 2; GABABR2; GPRC3B; HG20; gb2; GABA-BR2; GABA-B-R2; GABA-B receptor 2; GABA-B receptor, R2 subunit; G protein-coupled receptor 51; G-protein coupled receptor 51; gamma-aminobutyric acid B receptor 2; GPR51; HRIHFB2099; FLJ36928;
Gene ID	9568
mRNA Refseq	NM_005458
Protein Refseq	NP_005449
MIM	607340
UniProt ID	O75899
Chromosome Location	9q22.1-q22.3
Pathway	Activation of G protein gated Potassium channels, organism-specific biosystem;

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	Activation of GABAB receptors, organism-specific biosystem; Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G protein gated Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem;
Function	G-protein coupled GABA receptor activity; receptor activity; signal transducer activity;

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