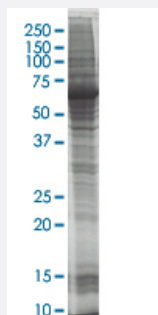


GABBR1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L104T6

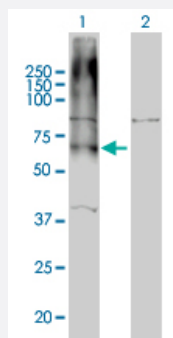
Size 100 ug

Applications



SDS-PAGE Gel

GABBR1 transfected lysate



Western Blot

Lane 1: GABBR1 transfected lysate (95 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-GABBR1 full length
Host	Human
Theoretical MW (kDa)	95
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GABBR1 antibody ([H00002550-M01](#)) by Western Blots.
SDS-PAGE Gel
GABBR1 transfected lysate
Western Blot
Lane 1: GABBR1 transfected lysate (95 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — GABBR1

Entrez GeneID [2550](#)

GeneBank Accession# [BC050532](#)

Protein Accession# [AAH50532](#)

Gene Name GABBR1

Gene Alias FLJ92613, GABAB(1e), GABABR1, GABBR1-3, GPRC3A, dJ271M21.1.1, dJ271M21.1.2, hGB1a

Gene Description gamma-aminobutyric acid (GABA) B receptor, 1

Omim ID [603540](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Gamma-aminobutyric acid (GABA) is the main inhibitory neurotransmitter in the mammalian central nervous system. GABA exerts its effects through ionotropic [GABA(A/C)] receptors, to produce fast synaptic inhibition, and metabotropic [GABA(B)] receptors, to produce slow, prolonged inhibitory signals. The GABA(B) receptor consists of a heterodimer of two related 7-transmembrane receptors, GABA(B) receptor 1 and GABA(B) receptor 2. The GABA(B) receptor 1 gene is mapped to chromosome 6p21.3 within the HLA class I region close to the HLA-F gene. Susceptibility loci for multiple sclerosis, epilepsy, and schizophrenia have also been mapped in this region. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq]

Other Designations

GABA-B receptor|GABAB, subunit 1c|OTTHUMP00000029114|OTTHUMP00000029115|OTTHUMP00000029116|OTTHUMP00000109099|gamma-aminobutyric acid (GABA) B receptor 1|seven transmembrane helix receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Narcolepsy](#)
- [Nasopharyngeal Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sclerosis](#)

- [Seizures](#)
- [Sleep Apnea](#)
- [Sleep Stages](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)