

GABRA1 rabbit monoclonal antibody

Catalog # H00002554-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GABRA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GABRA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GABRA1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GABRA1

Entrez GeneID [2554](#)

GeneBank Accession# [GABRA1](#)

Gene Name GABRA1

Gene Alias ECA4, EJM

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

Omim ID [137160 606904](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000160870

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholic Intoxication](#)
- [Alcoholism](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Autistic Disorder](#)

- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Dystonic Disorders](#)
- [Edema](#)
- [Epilepsy](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Myoclonic Epilepsy](#)
- [Psychoses](#)
- [Puberty](#)
- [Schizophrenia](#)