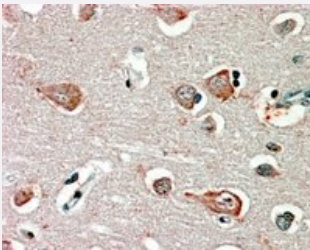


GABRB3 polyclonal antibody

Catalog # PAB11457 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

GABRB3 polyclonal antibody (Cat # PAB11457) (2.5 ug/mL) staining of paraffin embedded human cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of GABRB3.

Immunogen A synthetic peptide corresponding to human GABRB3.

Sequence C-EKTAKAKNDRSK

Host Goat

Theoretical MW (kDa) 54.1, 54.4

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage ELISA (1:8000)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

GABRB3 polyclonal antibody (Cat # PAB11457) (2.5 ug/mL) staining of paraffin embedded human cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GABRB3

Entrez GeneID	2562
Protein Accession#	NP_000805.1;NP_068712.1
Gene Name	GABRB3
Gene Alias	ECA5, MGC9051
Gene Description	gamma-aminobutyric acid (GABA) A receptor, beta 3
Omim ID	137192
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one of at least 13 distinct subunits of a multisubunit chloride channel that serves as the receptor for gamma-aminobutyric acid, the major inhibitory transmitter of the nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two genes encoding related subunits of the family. Mutations in this gene may be associated with the pathogenesis of Angelman syndrome, Prader-Willi syndrome, and autism. Alternatively spliced transcript variants encoding isoforms with distinct signal peptides have been described. [provided by RefSeq]
Other Designations	GABA(A) receptor beta-3 subunit GABA-A receptor beta-3 subunit GABA-alpha receptor beta-2 subunit GABAA receptor beta-3 subunit

Publication Reference

- [Hyperglycosylation and reduced GABA currents of mutated GABRB3 polypeptide in remitting childhood absence epilepsy.](#)

Tanaka M, Olsen RW, Medina MT, Schwartz E, Alonso ME, Duron RM, Castro-Ortega R, Martinez-Juarez IE, Pascual-Castroviejo I, Machado-Salas J, Silva R, Bailey JN, Bai D, Ochoa A, Jara-Prado A, Pineda G, Macdonald RL, Delgado-Escueta AV.

American Journal of Human Genetics 2008 Jun; 82(6):1249.

Application: WB-Tr, Human, HeLa cells

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Combat Disorders](#)
- [Depressive Disorder](#)
- [Disease Models](#)

- [Dystonic Disorders](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hallucinations](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Mood Disorders](#)
- [NARP](#)
- [Personality Inventory](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Social Perception](#)
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- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)