

Product Name: GABAA R β 2 Rabbit Polyclonal Antibody
Catalog #: APRab11237



Summary

Production Name	GABAA R β 2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GABRB2
Alternative Names	GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2
Gene ID	2561.0
SwissProt ID	P47870.The antiserum was produced against synthesized peptide derived from human GABAA Rbeta2. AA range:382-431

Application

Dilution Ratio	IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	

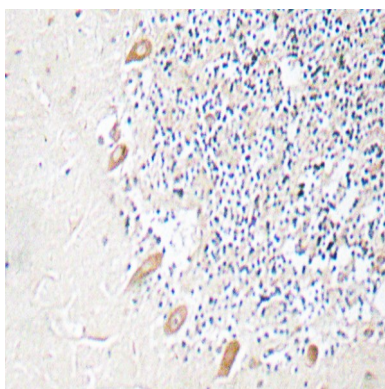
Background

The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion. [provided by RefSeq, Jul 2008],function:GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.,online information:Forbidden fruit - Issue 56 of March 2005,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho. Binds UBQLN1.,

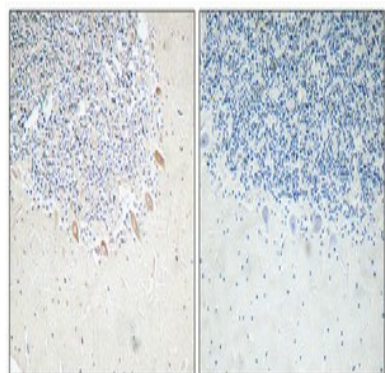
Research Area

Neuroactive ligand-receptor interaction;

Image Data



Immunohistochemistry analysis of GABAA R β 2 antibody in paraffin-embedded human brain tissue.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

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Note

For research use only.