

GABA A Receptor beta 2 + 3 Rabbit pAb

Catalog # AP96260

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56 kDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GABA A Receptor beta 2
Epitope Specificity	301-400/512
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB2 sub-subfamily.
SUBUNIT	Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho. Binds UBQLN1. Interacts with KCTD8, KCTD12 and KCTD16; this interaction determines the pharmacology and kinetics of the receptor response, the KCTD proteins markedly accelerating the GABA-B response, although to different extents (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Gamma-aminobutyric acid type A (GABAA) receptors are members of the neurotransmitter ligand-gated ion channels that mediate neuronal inhibition on binding GABA. The effects of GABA on GABAA receptors are modulated by a range of therapeutically important drugs, including barbiturates, anaesthetics and benzodiazepines.

Additional Information

Gene ID	2561
Other Names	DEE92; ICEE2; gamma-aminobutyric acid type A receptor subunit beta2; gamma-aminobutyric acid (GABA) A receptor, beta 2; GABA(A) receptor, beta 2
Target/Specificity	Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	GABA A Receptor beta 2 + 3 Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.