ELK Biotechnology

GABA B Receptor 2 rabbit pAb

Cat No.:ES20746

For research use only

Overview

Product Name	GABA B Receptor 2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	IHC 1:100-200
Immunogen	Synthetic Peptide of GABA B Receptor 2 AA range: 785-835
Specificity	GABA B Receptor 2 protein(A228) detects endogenous levels of GABA B Receptor 2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Gamma-aminobutyric acid type B receptor subunit 2 (GABA-B receptor 2) (GABA-B-R2) (GABA-BR2) (GABABR2) (Gb2) (G-protein coupled receptor 51) (HG20)
Gene Name	GABBR2
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Coexpression of GABBR1 and GABBR2 is required for GABBR1 maturation and transport to the plasma membrane. In contrast, GABBR2
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	106kD
Human Gene ID	9568
Human Swiss-Prot Number	O75899
Alternative Names	GABBR2; GPR51; GPRC3B; Gamma-aminobutyric acid type B receptor subunit 2; GABA-B receptor 2;

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GABA-B-R2; GABA-BR2; GABABR2; Gb2; G-protein coupled receptor 51; HG20

Background

The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.[provided by RefSeq, Jan 2010],

Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using GABA B Receptor 2 Rabbit pAb diluted at 1:200.

Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using GABA B Receptor 2 Rabbit pAb diluted at 1:200.

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