



GABA A Receptor α 4 rabbit pAb

Cat No.:ES20748

For research use only

Overview

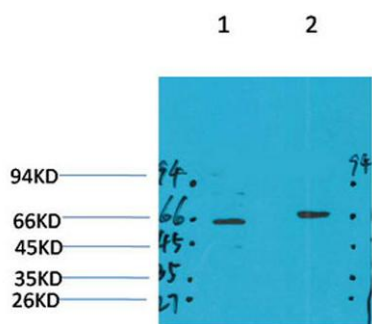
Product Name	GABA A Receptor α 4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:1000-2000, IHC 1:100-200
Immunogen	Synthetic Peptide of GABA A Receptor α 4 AA range: 149-199
Specificity	GABA A Receptor α 4 protein(A226) detects endogenous levels of GABA A Receptor α 4
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 receptor subunit alpha-4 (GABA(A) receptor subunit alpha-4)
Gene Name	GABRA4
Cellular localization	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	62kD
Human Gene ID	2557
Human Swiss-Prot Number	P48169
Alternative Names	GABRA4; Gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor subunit alpha-4
Background	Gamma-aminobutyric acid (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



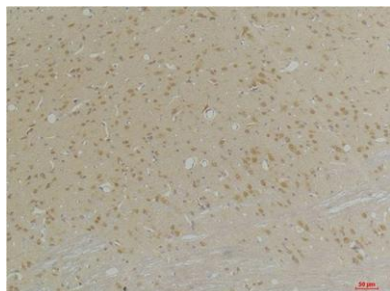


agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding different isoforms have been found in this gene.[provided by RefSeq, Feb 2011],

Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with GABA A Receptor $\alpha 4$ Rabbit pAb diluted at 1:2,000.



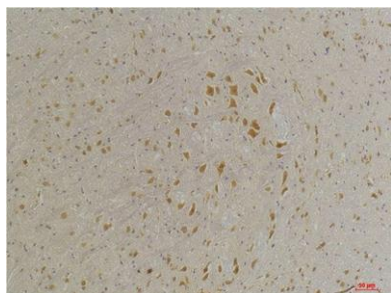
Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using GABA A Receptor $\alpha 4$ Rabbit pAb diluted at 1:200.





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Immunohistochemical analysis of paraffin-embedded
Mouse BrainTissue using GABA A Receptor $\alpha 4$ Rabbit pAb
diluted at 1:200.



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