



GABA A Receptor α 4 rabbit pAb

Cat No.:ES20748

For research use only

Overview

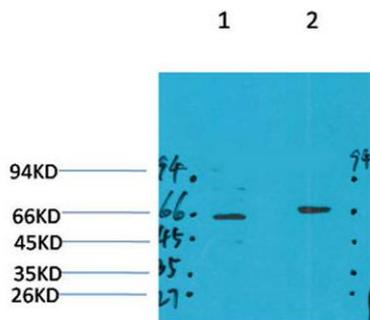
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| Product Name | GABA A Receptor α 4 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC;IF |
| Species Cross-Reactivity | Human;Rat;Mouse |
| Recommended dilutions | WB 1:1000-2000, IHC 1:100-200 |
| Immunogen | Synthetic Peptide of GABA 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 |



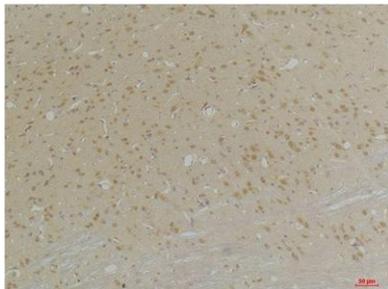


agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric 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 α 4 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using GABA A Receptor α 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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