

Anti-Human/Mouse/Rat GABAA Receptor alpha4 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA03953**

3th Edition

Description: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. GABRA4 (Gamma-Aminobutyric Acid Type A Receptor Alpha4 Subunit) is a Protein Coding gene. Diseases associated with GABRA4 include Status Epilepticus and Autism Spectrum Disorder. Among its related pathways are Ligand-gated ion channel transport and Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds. GO annotations related to this gene include chloride channel activity and GABA-A receptor activity. An important paralog of this gene is GABRA6.

Antigen:Synthetic Peptide**Form:****How to use:**1.0 ml distilled water will be added to the product**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C**Dilution:**PBS (pH7.4) containing 1% BSA**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.**Specificity:**