

GABRA4 Rabbit pAb

Catalog No.: A3870

Basic Information

Observed MW

72kDa

Calculated MW

62kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

2557

Swiss Prot

P48169

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 36-258 of human GABRA4 (NP_000800.2).

Synonyms

GABRA4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

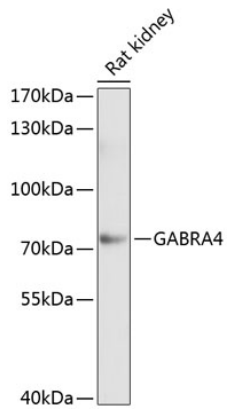
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of rat kidney, using GABRA4 antibody (A3870) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.