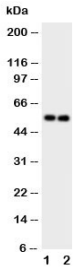
GABA A Receptor alpha 1 Antibody (R30654)

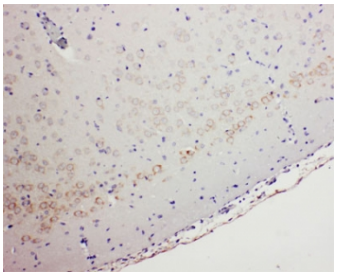
Catalog No.	Formulation	Size
R30654	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P14867
Localization	Cell membrane
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This GABA A Receptor alpha 1 antibody is available for research use only.



Western blot testing of GABA A Receptor alpha 1 antibody and Lane 1: rat brain; 2: rat brain tissue lysate



IHC testing of FFPE rat brain tissue with GABA A Receptor alpha 1 antibody at 1ug/ml. Required HIER: Boil the paraffin sections in 10mM citrate buffer, pH6, for 20min and let cool to RT.

Description

GABRA1, Gamma-aminobutyric acid receptor subunit alpha 1, is a protein that in humans is encoded by the GABRA1 gene. The 1,055-bp GABRA1 clone contained an open reading frame and 260 nucleotides in the 5-prime noncoding region. The 351-amino acid sequence shows 97% homology with its bovine counterpart. 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GABA A Receptor alpha 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of GABA A Receptor alpha 1 (ATYLNREPQLKAPTPHQ) was used as the immunogen for this GABA A Receptor alpha 1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the GABA A Receptor alpha 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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