BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GluR4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15747
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of GluR4
Mol wt	N/A
Species reactivity	Human, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	N/A
Full name	Glutamate receptor 4
Synonyms	Glutamate receptor 4; GRIA4; GLUR4; Glutamate receptor 4; GluR-4; GluR4; AMPA-selective glutamate receptor 4; GluR-D; Glutamate receptor ionotropic, AMPA 4; GluA4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia.

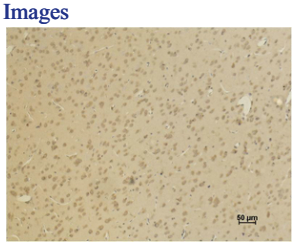
Recommended Dilution

WB: 1: 500 - 1000

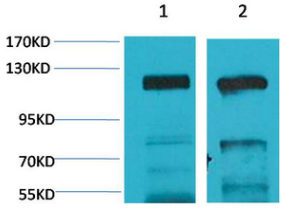
IHC: 1: 200 - 500

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using GluR4 Polyclonal Antibody.



Western blot analysis of 1) Human Brain Tissue, 2) Rat Brain Tissue using GluR4 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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