

# **GluR4** Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP15746
Host	Rabbit
Isotype	lgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human GluR4. AA range:828-877
Mol wt	100810
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
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.

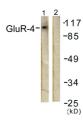
#### **Recommended Dilution**

WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 ELISA: 1: 20000 Not yet tested in other applications.

## Images

313 100-100-50-40-35-25-25-

Western Blot analysis of NIH-3T3 cells using GluR4 Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 cells, treated with Forskolin 40nM 30', using GluR4 Antibody. The lane on the right is blocked with the synthesized peptide.

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