

Goat GRIA4 / GLUR4 Polyclonal Antibody | anti-GRIA4 antibody

Goat Polyclonal to Human GRIA4 / GLUR4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50917	Goat	Bat, Gibbon, Bovine, Chimpanzee, Chicken, Dog, Gorilla, Horse, Human, Monkey, Mouse, Rabbit, Rat	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

GRIA4 / GLUR4; Polyclonal Antibody; Goat Polyclonal to Human GRIA4 / GLUR4; Anti-GRIA4 / GLUR4 Antibody (Internal) IHC-plus; GRIA4; GluA4; GluR-4; GLUR4; GLUR4C; Glutamate receptor type d; GluR-D; GLURD; Glutamate receptor 4; Human GRIA4; anti-GRIA4 antibody

PRODUCT SPECIFICATIONS

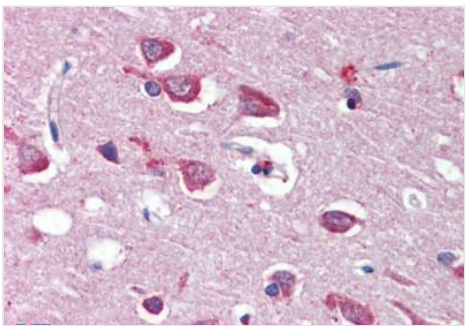
Host	Goat
Reactivity	Bat, Gibbon, Bovine, Chimpanzee, Chicken, Dog, Gorilla, Horse, Human, Monkey, Mouse, Rabbit, Rat
Clonality	Polyclonal
Specificity	Human GRIA4 / GLUR4. This antibody is expected to recognize all reported isoforms (NP_000820.3; NP_001070711.1; NP_001070712.1). Reported variants NP_001070712.1 and NP_001106283.1 represent identical protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	902
Applicable Applications for anti-GRIA4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-KKLDQREYPGSETP from an internal region of human GRIA4 / GLUR4 (NP_000820.3; NP_001070711.1; NP_001070712.1).
Immunogen Type	Synthetic peptide
Immunogen	GRIA4 / GLUR4 antibody was raised against synthetic peptide C-KKLDQREYPGSETP from an internal region of human GRIA4 / GLUR4 (NP_000820.3; NP_001070711.1; NP_001070712.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bat, Bovine, Horse, Rabbit, Opossum, Turkey, Chicken, Platypus (100%); Lizard (93%); Xenopus, Stickleback, Pufferfish, Zebrafish, Trachemys (86%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

Antibody (0.3 ug/ml) staining of Human Cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-GRIA4 / GLUR4 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA4 antibody	Human glutamate receptor 4 (GRIA4) is a new member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. Binding studies showed that human GRIA4 transfected into simian kidney cells (COS-1) exhibits high specific binding for[3H](RS)-alpha-amino- 3-hydroxy-5-methylisoxazole-4-propionic acid ([3H]AMPA) but not [3H]kainate.
Product Categories/Family for anti-GRIA4 antibody	Family: Ion Channel; Subfamily: Glutamate receptor - ionotropic (NMDA receptor)

NCBI AND UNIPROT INFORMATION

NCBI GI #	164419734
NCBI GeneID	2893
NCBI Accession #	NP_000820.3
NCBI GenBank Nucleotide #	NM_000829.3
UniProt Accession #	P48058; Q86XE8
Molecular Weight	49,146 Da
NCBI Official Full Name	glutamate receptor 4 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 4
NCBI Official Symbol	GRIA4
NCBI Official Synonym Symbols	GLUR4; GLURD; GluA4; GLUR4C
NCBI Protein Information	glutamate receptor 4; gluR-4; gluR-D; AMPA-selective glutamate receptor 4; glutamate receptor, ionotropic, AMPA 4
UniProt Protein Name	Glutamate receptor 4
UniProt Gene Name	GRIA4
UniProt Synonym Gene Names	GLUR4; GluR-4; GluR4; GluA4
UniProt Entry Name	GRIA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

