

Rabbit GRIA2 Polyclonal Antibody | anti-GRIA2 antibody

GRIA2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201716	Rabbit	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

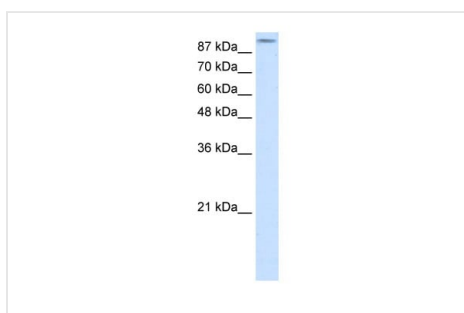
PRODUCT SYNONYMS

GRIA2; Polyclonal Antibody; GRIA2 antibody - N-terminal region; anti-GRIA2 antibody

PRODUCT SPECIFICATIONS

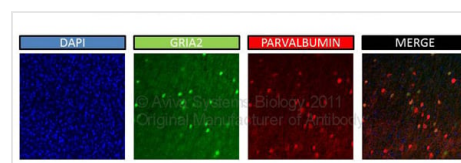
Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ST SEFRLTPHID NLEVANSFAV TNAFCSQFSR GVYAIFGFYD KKSVENTIT
Sequence Length	883
Applicable Applications for anti-GRIA2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GRIA2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



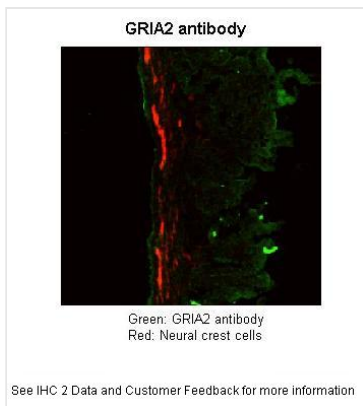
WB (Western Blot)

WB Suggested Anti-GRIA2 Antibody Titration: 2.5ug/mL
 ELISA Titer: 1:1562500
 Positive Control: HepG2 cell lysate



IHC (Immunohistochemistry)

Primary Antibodies Brain slices were incubated overnight in a solution of PBST (0.2%) + 10% Normal GOAT serum + a monoclonal mouse anti-Parvalbumin antibody (1:2000) + rabbit anti-GRIA2 (1ug/mL) and gently shaken overnight at 4 C. Secondary Antibodies Samples were washed 6x in PBS (10 min each at RT) and exposed to the following secondary antibodies o/n at 4 C: PBST (0.3%) + 10% normal goat serum + anti-mouse Alexa 488 (1:1000) + Anti-rabbit Alexa 555 (1:1000) for two hours. Samples were washed 6x in PBST mounted. Images acquired with a confocal microscope at 63X.



IHC (Immunohistochemistry)
 Sample Type: Mouse GutApplication: ImmunohistochemistrySpecies+tissue/cell type: Mouse Gut Tissue TgWnt1-Cre/+ Ednrbflex3/+ Rosa26YFPStop/YFPStopHow many ug's of tissue/cell lysate run on the gel: 11 m Mouse Gut TissuePrimary antibody dilution: 1:50Secondary antibody: Goat anti-rabbit-cy3Secondary antibody dilution: 1:1500

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA2 antibody	This is a rabbit polyclonal antibody against GRIA2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GRIA2 is one of the glutamate receptors, which 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 with mul
Product Categories/Family for anti-GRIA2 antibody	Polyclonal ; Signal Proteins ; Immunohistochemistry ; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	74275354
NCBI GeneID	2891
NCBI Accession #	NP_000817
NCBI GenBank Nucleotide #	NM_000826
UniProt Accession #	P42262
Molecular Weight	99kDa
NCBI Official Full Name	glutamate receptor 2 isoform 1
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 2
NCBI Official Symbol	GRIA2
NCBI Official Synonym Symbols	GLUR2; GLURB; GluA2; HBGR2; GluR-K2
NCBI Protein Information	glutamate receptor 2
UniProt Protein Name	Glutamate receptor 2
UniProt Gene Name	GRIA2
UniProt Synonym Gene Names	GLUR2; GluR-2; GluA2
UniProt Entry Name	GRIA2_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.

