

GluR1 Antibody | anti-GluR1 antibody

GluR1 (Phospho-Ser863) Antibody

CATALOG # AAA111944	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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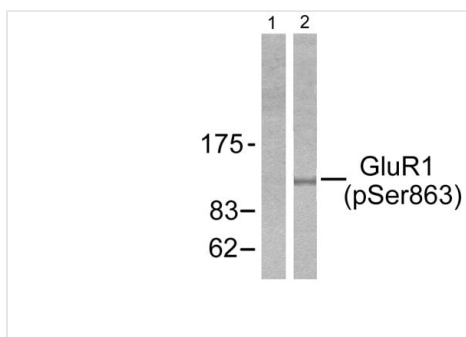
PRODUCT SYNONYMS

GluR1; GluR1 (Phospho-Ser863) Antibody; GLR1; GLUH1; GRIA1; GluR-1; GluR-A; GluR-K1; Glutamate receptor 1 precursor; Glutamate receptor ionotropic; AMPA 4; anti-GluR1 antibody

PRODUCT SPECIFICATIONS

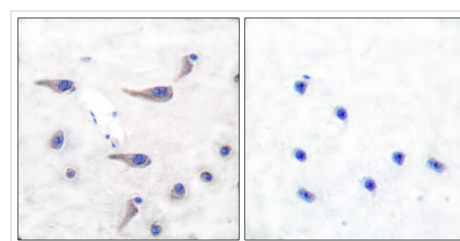
Reactivity	Human, Mouse, Rat
Specificity	GluR1 (phospho-Ser863) antibody detects endogenous levels of GluR1 only when phosphorylated at serine 863.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	906
Applicable Applications for anti-GluR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human GluR1 around the phosphorylation site of serine 863 (R-N-SP-G-A).
All Sites	Human: Ser863 Mouse: Ser863 Rat: Ser863
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with PMA (125ng/ml, 30mins), using GluR1 (phospho-Ser863) antibody (Line 1 and 2).



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using GluR1 (phospho-Ser863) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-GluR1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Davide Ragozzino, J. Neurosci., Oct 2006; 26: 10488-10498. Raymond Dingledine, Pharmacol. Rev., Mar 1999; 51: 7. E Carafoli, Crit. Rev. Biochem. Mol. Biol., Apr 2001; 36: 107. Jianqun Wu, J Neurophysiol, Jun 2006; 95: 3519-3527.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167001419
NCBI GeneID	2890
NCBI Accession #	NP_000818.2
NCBI GenBank Nucleotide #	NM_000827.3
UniProt Accession #	P42261; Q2NKM6; B7Z2S0; B7Z2W8; B7Z3F6; B7Z9G9; D3DQI4; E7ESV8
Molecular Weight	102,864 Da
NCBI Official Full Name	glutamate receptor 1 isoform 1
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 1
NCBI Official Symbol	GRIA1
NCBI Official Synonym Symbols	GLUH1; GLUR1; GLURA; GluA1; HBGR1
NCBI Protein Information	glutamate receptor 1
UniProt Protein Name	Glutamate receptor 1
UniProt Gene Name	GRIA1
UniProt Synonym Gene Names	GLUH1; GLUR1; GluR-1; GluA1

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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/glur1/111944>