

Datasheet for ABIN1386557

anti-Glutamate Receptor 1 antibody (pSer863)



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2 Images

Overview

Quantity:	100 µL
Target:	Glutamate Receptor 1 (GLUR1)
Binding Specificity:	pSer863
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutamate Receptor 1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GluR1 around the phosphorylation site of Ser863
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Glutamate Receptor 1 (GLUR1)
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Target Details

Alternative Name:	GluR1 (GLUR1 Products)
Background:	<p>Synonyms: p-GluR-1Ser 863, p-GluR1Ser863, Glutamate Receptor 1 phospho S863, Glutamate Receptor 1 phospho Ser863, GLUR 1, GLUR A, AMPA 1, GluR-1, AMPA selective glutamate receptor 1, AMPA-selective glutamate receptor 1, GluA1, GLUH 1, GLUH1, GluR K1, GluR-1, GluR-A, GluR-K1, GLUR1, GLURA, GluRK1, Glutamate receptor 1, Glutamate receptor ionotropic AMPA 1, Glutamate receptor ionotropic, Glutamate receptor, ionotropic, AMPA 1, Gria 1, Gria1, GRIA1_HUMAN, HBGR1, MGC133252, OTTHUMP00000160643, OTTHUMP00000165781, OTTHUMP00000224241, OTTHUMP00000224242, OTTHUMP00000224243.</p> <p>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 with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].</p>
Pathways:	PI3K-Akt Signaling

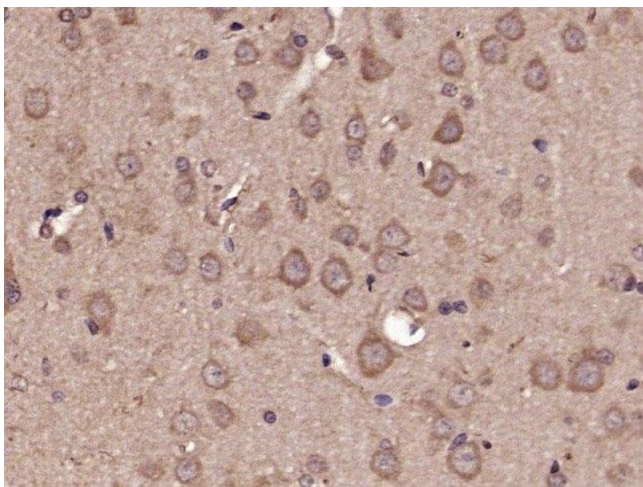
Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

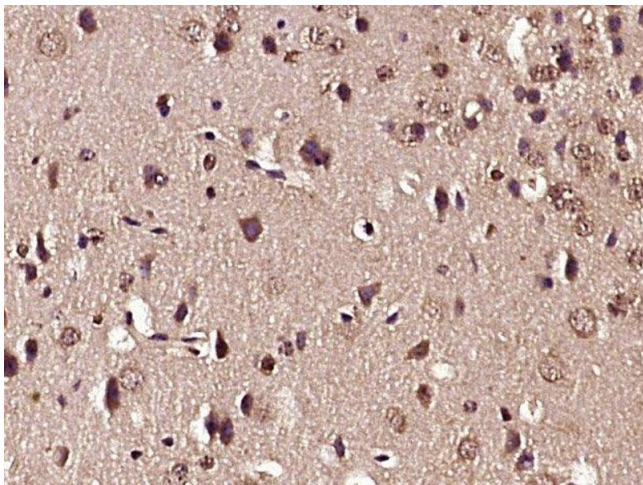
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat brain tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with GluR1 (Ser863) Polyclonal Antibody, Unconjugated (bs-11632R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded mouse brain tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with GluR1 (Ser863) Polyclonal Antibody, Unconjugated (bs-11632R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody and DAB staining.