

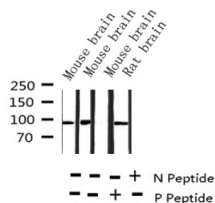
Phospho-GluR2 (Ser880) Ab

Cat.#: AF3307
Size: 100ul,200ul

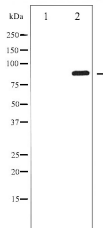
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 99kDa
Clonality: Polyclonal

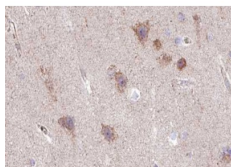
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-GluR2 (Ser880) Ab detects endogenous levels of GluR2 only when phosphorylated at Serine 880.
Immunogen:	A synthesized peptide derived from human GluR2 around the phosphorylation site of Serine 880.
Uniprot:	P42262
Description:	GluR2 an integral membrane protein belonging to the glutamate-gated ion channel family. L-glutamate (Glu) acts as an excitatory neurotransmitter at many synapses in the central nervous system. Glutamate receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists.
Subcellular Location:	Cell membrane. Endoplasmic reticulum membrane. Cell junction > synapse > postsynaptic cell membrane. Interaction with CACNG2, CNIH2 and CNIH3 promotes cell surface expression.
Similarity:	The M4 transmembrane segment mediates tetramerization and is required for cell surface expression. Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA2 subfamily. [View classification]
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of Phospho-GluR2 (Ser880) expression in various lysates



Western blot analysis of GluR2 phosphorylation expression in Mouse brain tissue lysates. The lane on the left is treated with the antigen-specific peptide.



AF3307 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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