



## ELK Biotechnology

### AMPA Receptor 4 (GluA4) Rabbit pAb

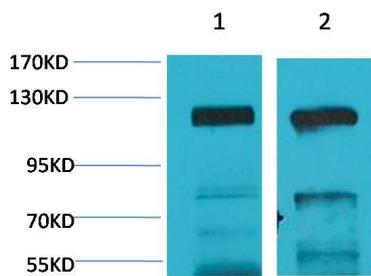
Catalog NO.: EA175

For research use only.

#### Overview

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Product name	AMPA Receptor 4 (GluA4) Rabbit polyclonal antibody
Source	Rabbit
Applications	WB, IHC
Species reactivity	Human, Rat
Recommended dilutions	WesternBlot:1/500-1000 Immunohistochemistry:1/200-500 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	101kDa
GeneID (Human)	2893
Human Swiss-Prot No.	P48058
Cellular localization	Cell junction, Cell membrane, Cell projection, Membrane, Postsynaptic cell membrane, Synapse
Alternative Names	AMPA 4 antibody, GluA 4 antibody, Glutamate Receptor 4 antibody, Gria4 antibody
Background	Glutamate is the major excitatory neurotransmitter and modulates its effects via ionotropic and metabotropic receptors which are different in their molecular, biochemical, pharmacological and physiological properties. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.



Western blot analysis of 1) Human Brain Tissue, 2)Rat Brain Tissue with AMPA Receptor 4 (GluA4) Rabbit pAb EA175 diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using AMPA Receptor(GluR4) (EA175) Rabbit pAb diluted at 1:500.