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# Anti-GluR1, rabbit polyclonal

**Catalog Number:** 905-416

**Quantity:** 1.0 mL at 200 µg/mL

**Introduction:** Glutamate receptors constitute the principal excitatory neurotransmitter receptors in brain. Two classes of glutamate receptors exist: inotropic receptors and metabotropic receptors. Inotropic glutamate receptors are oligomeric complexes of various subunits (GluR1-7, NMDA1-3, KAI-2), which comprise ligand-gated calcium channels. Metabotropic glutamate receptors are G-protein coupled receptors, which when activated can activate phopholipases or adenylylcyclase, depending on the neuron.

**Immunogen:** A synthetic peptide from the C-terminus of human GluR1.

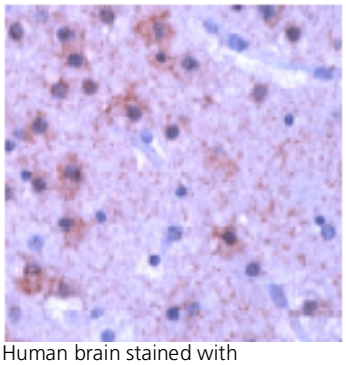
**Purification:** Affinity Purified

**Form:** 10 mM PBS, pH 7.4 with BSA and sodium azide.

**Storage:** Store at 4˚C.

**Intended Use:**
- Western Blotting
- Immunohistology (Formalin/paraffin)

Working dilution: 1:50 for 10 min at RT
Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate, pH 6.0 for 10 min followed by cooling at RT for 20 min. The optimal dilution for a specific application should be determined by the investigator.


Human brain stained with Anti-GluR1 antibody

**Positive Control**: Brain.

**Staining Pattern**: Cytoplasmic.

**Species Reactivity**: Human, mouse, and rat. Others not tested.

**For Research Use Only; Not for Therapeutic or Diagnostic Use.**