



**RABBIT ANTI-METABOTROPIC GLUTAMATE RECEPTOR 1 α (mGluR1 α)
AFFINITY PURIFIED
POLYCLONAL ANTIBODY**

- CATALOG NUMBER:** AB1551
- LOT NUMBER:**
- QUANTITY:** 50 μ g
- SPECIFICITY:** Metabotropic glutamate receptor 1 α (mGluR1 α). Western blot analysis shows the antibody labels a single band migrating at $M_r = 140,000$.
- IMMUNOGEN:** Carboxy terminus peptide of rat mGluR1 α conjugated to KLH with glutaraldehyde (PNVTYASVILRDYKQSSSTL).
- APPLICATIONS:** Western blot analysis can be done at final concentrations of 0.25-1.0 μ g/mL. AB1551 can be used for immunocytochemistry using paraformaldehyde or paraformaldehyde/glutaraldehyde fixed tissue with light and electron microscopy. Cryostat and vibratome sections can be used with or without Triton X-100 treatment. Final concentrations recommended are 0.5-2.0 μ g/mL. The antibody has not been tested for use in immunoprecipitation. However, antibodies to the carboxy termini of other glutamate receptors are very effective in immunoprecipitation. Optimal working dilutions must be determined by end user.
- FORMAT:** Affinity purified using the immunogen peptide.
- PRESENTATION:** Lyophilized from PBS containing 1% BSA.
- STORAGE/HANDLING:** Maintain lyophilized material at 2-8°C or -20°C. Reconstitute to **500 μ L** with sterile distilled water. Store reconstituted material frozen (-20°C or -80°C) in undiluted aliquots for up to six months. Avoid repeated thawing and refreezing. Diluted antibody containing 0.1% sodium azide for Western blot analysis can be stored for several weeks and reused repeatedly.
- REFERENCES:**
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 5. *Science* (1998) **279**:1722-1725.
 6. *J. Comparative Neurology* (1998) **390**:5-19.
 7. *NeuroReport* (1998) **9**:1638-1644.
 8. *J. of Neuroscience*. (1998) **18**(17):6662-6671.
 9. *J. Neurochemistry* (1998) **70**:1772-1775.
 10. *British J. Pharmacology* (1999) **126**:873-882.
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For research use only; not for use as a diagnostic.