

Polyclonal Antibody to mGluR2/3 - Purified

Catalog No.:	AP05773PU-N
Quantity:	0.1 ml
Background:	The metabotropic glutamate receptors have been organised into three groups, mGluR2 and mGluR3 make up group II, and are negatively coupled to adenylate cyclase. Group II mGluRs act to inhibit neurotransmitter release as autoreceptors on glutamatergic terminals and as presynaptic heteroreceptors, performing a variety of functions in the central and peripheral nervous system. Studies have shown that mGluRs play an important role in neuroplasticity and group II mGluRs are targeted by various drugs used for treating anxiety, Parkinson's disease, schizophrenia and drug addiction.
Host / Isotype:	Rabbit / IgG
Immunogen:	Peptide from the C-terminal region of rat mGluR2 and rat mGluR3.
Format:	State: Liquid purified IgG Buffer System: 200mM Tris-Glycine pH7.5 containing 0.09% Sodium Azide (NaN ₃)
Applications:	Immunohistochemistry on frozen sections: 1:500. Western Blot: 1:1000; detects bands of approximately 110kDa (monomer) and 220kDa (dimer) in rat hippocampal lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises rat metabotropic glutamate receptor 2 and 3 (mGluR2 and mGluR3). Species: Rat. Other species not tested.
Storage:	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. 18 months from date of despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.