

Product datasheet for **AP01510PU-N**

mGluR2/3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA (1/1000~1/5000). Western Blot (1/500~1/1000) Immunohistochemistry (1/50~1/200).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of mGluR2/3 protein.
Formulation:	PBS, pH 7.2 containing 15 mM Sodium Azide as preservative. State: Aff - Purified State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

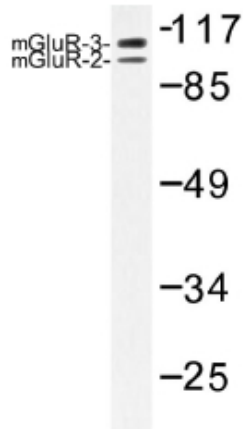


Background:

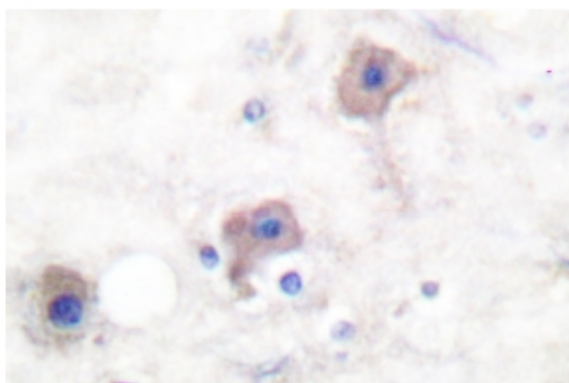
The mGluR proteins (metabotropic glutamate receptors) are members of the G-protein-coupled receptor family and are functionally and pharmacologically distinct from the GluR proteins (ionotropic glutamate receptors). The eight currently known mGluR proteins are mediated by two G proteins with opposing regulation of adenylate cyclase pathways. The activities of mGluR-1 and mGluR-5 are mediated by a G protein that activates a phosphatidylinositolcalcium second messenger system and generates a calcium-activated chloride current. The remainder of the eight subtypes of mGluR have an activity mediated by a G protein that inhibits adenylate cyclase activity. mGluR-2, which may interact with GRASP, acts as a receptor for glutamate. It may also be involved in the regulation of neurotransmission suppression and in synaptogenesis or synaptic stablization. mGluR-3, which may interact with GRASP, acts as a receptor for glutamate.

Synonyms:

Metabotropic glutamate receptor 2/3, GRM2, GRM3

Product images:

Western blot (WB) analysis of mGluR2/3 antibody in extracts from mouse brain cells.



Immunohistochemistry (IHC) analyzes of mGluR2/3 antibody in paraffin-embedded human brain tissue.