

mGluR1 Polyclonal Antibody

Catalog NumberPA5-33812

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Non-human primate
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	14-28 µg/mL
Immunogen	Synthetic 16 amino acid peptide from C-terminus of human GRM1 / MGLUR1.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset (100%).

Background/Target Information

Glutamate is the main excitatory neurotransmitter in the brain. For many years it had been considered to act only on the ligand-gated receptor channels-termed NMDA, AMPA and kainite receptors that are involved in the fast excitatory synaptic transmission. Recently, glutamate has been shown to regulate enzymes producing second messengers via specific receptors coupled to G-proteins. These receptors are called metabotropic glutamate receptors. In expression systems, Group-I receptors stimulate phospholipase C as revealed by an increase in phosphoinositide turnover and calcium release from internal stores. Group-II and -III receptors are coupled to the inhibition of adenylyl cyclase. The Group-I receptors include mGluR1a and mGluR5. The Group-II receptors in include mGluR2 and mGluR3.

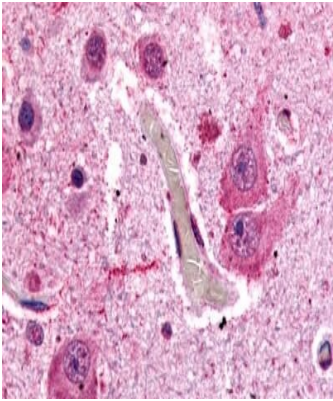
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Product Images For mGluR1 Polyclonal Antibody



mGluR1 Antibody (PA5-33812) in IHC (P)

Immunohistochemistry analysis of mGluR1 in human brain, neurons and glia. Samples were incubated with mGluR1 polyclonal antibody (Product # PA5-33812). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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