

mGluR3 Polyclonal Antibody

Catalog NumberPA5-33819

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		
Immunogen	Synthetic 17 amino acid peptide from N-terminal extracellular domain of human GRM3 / MGLUR3.		
Conjugate	Unconjugated	Immunohistochemistry (Paraffin) (IHC (P))	9 µg/mL
Form	Liquid	Western Blot (WB)	Assay-dependent
Concentration	1 mg/mL	Immunocytochemistry (ICC/IF)	Assay-dependent
Purification	Antigen affinity chromatography	* 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.	
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

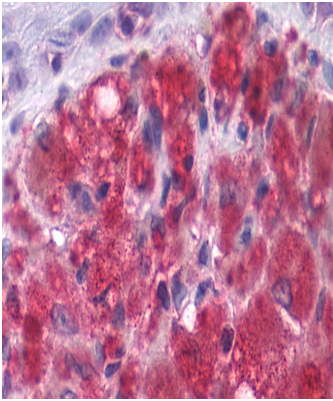
Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Elephant (100%) Rat, Hamster, Panda (94%).

Background/Target Information

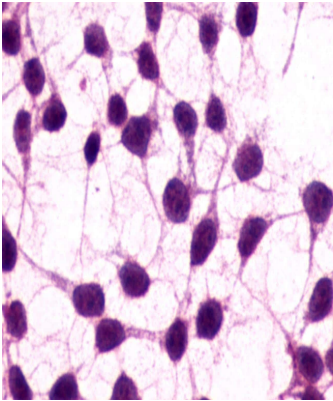
Glutamate is the main excitatory neurotransmitter in the brain. For many years it had been considered to act only on the ligand-gated receptor channels-termed NMDA, AMPA and kainite receptors that are involved in the fast excitatory synaptic transmission. Recently, glutamate has been shown to regulate 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 adenyl cyclase. The Group-I receptors include mGluR1a and mGluR5. The Group-II receptors in include mGluR2 and mGluR3.

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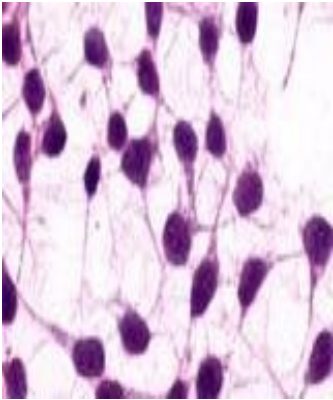
Product Images For mGluR3 Polyclonal Antibody



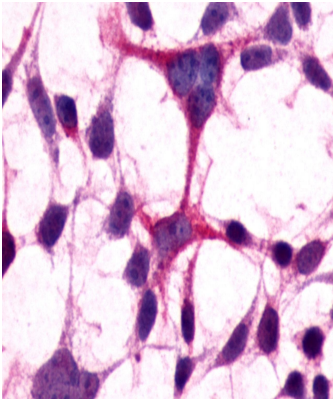
**mGluR3 Antibody (PA5-33819) in IHC (P)**  
Immunohistochemistry analysis of mGluR3 in human Skin, Melanoma. Samples were incubated with mGluR3 polyclonal antibody (Product # PA5-33819). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**mGluR3 Antibody (PA5-33819) in ICC/IF**  
Immunocytochemistry analysis of mGluR3 in untransfected HEK293 human embryonic kidney cells. Samples are incubated with mGluR3 polyclonal antibody (Product # PA5-33819).



**mGluR3 Antibody (PA5-33819) in ICC/IF**  
Immunocytochemistry analysis of mGluR3 in untransfected HEK293 human embryonic kidney cells. Samples are incubated with mGluR3 polyclonal antibody (Product # PA5-33819).

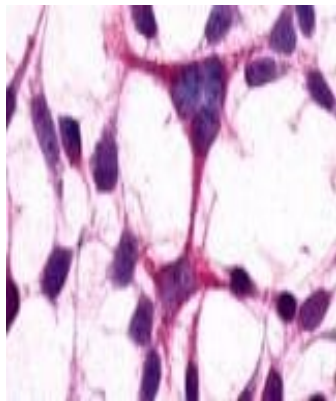


**mGluR3 Antibody (PA5-33819) in ICC/IF**  
Immunocytochemistry analysis of mGluR3 in transfected HEK293 human embryonic kidney cells. Samples are incubated with mGluR3 polyclonal antibody (Product # PA5-33819).

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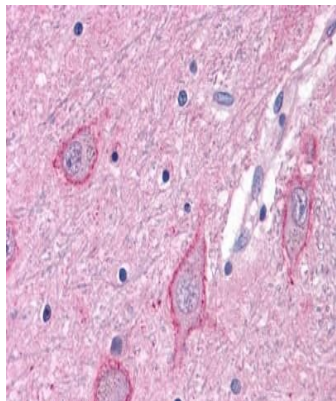
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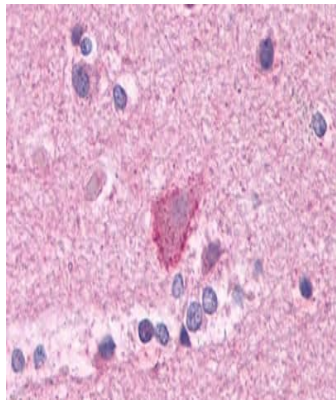
**mGluR3 Antibody (PA5-33819) in ICC/IF**

Immunocytochemistry analysis of mGluR3 in transfected HEK293 human embryonic kidney cells. Samples are incubated with mGluR3 polyclonal antibody (Product # PA5-33819).



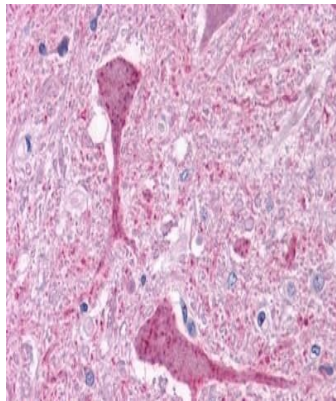
**mGluR3 Antibody (PA5-33819) in IHC (P)**

Immunohistochemistry analysis of mGluR3 in human brain, neurons and glia. Samples were incubated with mGluR3 polyclonal antibody (Product # PA5-33819). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**mGluR3 Antibody (PA5-33819) in IHC (P)**

Immunohistochemistry analysis of mGluR3 in Brain, cortex neuron. Samples were incubated with mGluR3 polyclonal antibody (Product # PA5-33819).



**mGluR3 Antibody (PA5-33819) in IHC (P)**

Immunohistochemistry analysis of mGluR3 in Brain, Medulla. Samples were incubated with mGluR3 polyclonal antibody (Product # PA5-33819).

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