

mGluR5 Polyclonal Antibody

Catalog NumberPA5-33824

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 16 amino acid peptide from C-terminus of human GRM5 / MGLUR5.	Immunohistochemistry (Paraffin) (IHC (P))	16 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	Assay-dependent
Form	Liquid	* 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.	
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, Gibbon, Monkey (100%) Rabbit (94%) Marmoset (81%).

Background/Target Information

GRK1 is a member of the guanine nucleotide protein-coupled (G protein) receptor kinase subfamily of Serine/Threonine kinase family. GRK1 phosphorylates rhodopsin and initiates its deactivation. G protein mediated phosphorylation promotes the binding of arrestin, which removes the receptor from the G-protein and terminates the receptor signal chain. GRK1 is farnesylated to promote membrane association. Studies have shown that GRK1 has been shown to be inhibited by recoverin, a Calcium binding protein. Diseases associated with GRK1 protein dysfunction include Oguchi Disease-2 and Hereditary Night Blindness.

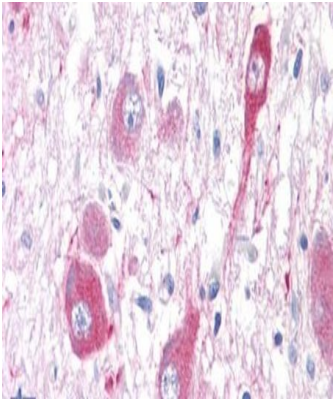
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Product Images For mGluR5 Polyclonal Antibody



**mGluR5 Antibody (PA5-33824) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed paraffin-embedded human brain, neurons and glia using a MGLUR5 polyclonal antibody (Product # PA5-33824). Heat-induced antigen retrieval was performed prior to staining.

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