

# mGLUR4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51247

## Product Information

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<b>Application</b>	WB, ICC, IHC-P
<b>Primary Accession</b>	<a href="#">Q14833</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	101868

## Additional Information

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<b>Gene ID</b>	2914
<b>Other Names</b>	Metabotropic glutamate receptor 4, mGluR4, GRM4, GPRC1D, MGLUR4
<b>Dilution</b>	WB~~1:1000 ICC~~N/A IHC-P~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	GRM4
<b>Synonyms</b>	GPRC1D, MGLUR4
<b>Function</b>	G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity.
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Strongly expressed in the cerebellum. Expressed at low levels in hippocampus, hypothalamus and thalamus. No expression detected in liver.

## Background

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G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity.

## References

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Makoff A.,et al.Brain Res. Mol. Brain Res. 37:239-248(1996).  
Wu S.,et al.Brain Res. Mol. Brain Res. 53:88-97(1998).  
Flor P.J.,et al.Neuropharmacology 34:149-155(1995).  
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