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mGLUR4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51247

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q14833
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101868

Additional Information

Gene ID	2914
Other Names	Metabotropic glutamate receptor 4, mGluR4, GRM4, GPRC1D, MGLUR4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human mGLUR4. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	GRM4
Synonyms	GPRC1D, MGLUR4
Function	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.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Strongly expressed in the cerebellum. Expressed at low levels in hippocampus, hypothalamus and thalamus. No expression detected in liver.

Background

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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Wu S.,et al.Brain Res. Mol. Brain Res. 53:88-97(1998).
Flor P.J.,et al.Neuropharmacology 34:149-155(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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