



mGluR5 Monoclonal Antibody

Catalog No	YP-mAb-13419
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GRM5
Immunogen	The antiserum was produced against synthesized peptide derived from human GRM5. AA range:21-70
Specificity	mGluR5 Monoclonal Antibody detects endogenous levels of mGluR5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GPRC1E;GRM5;mGlu5;MGLUR5;Metabotropic glutamate receptor 5
Observed Band	130kD
Calculated Molecular Weight	130kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Brain,
Function	function:Receptor for glutamate. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current.,similarity:Belongs to the G-protein coupled receptor 3 family.,subunit:The PPXXF motif binds HOMER1, HOMER2 and HOMER3. Interacts with SIAH1, RYR1, RYR2, ITPR1, SHANK1, SHANK3 and GRASP.,
Background	glutamate metabotropic receptor 5(GRM5) Homo sapiens This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity.



Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],

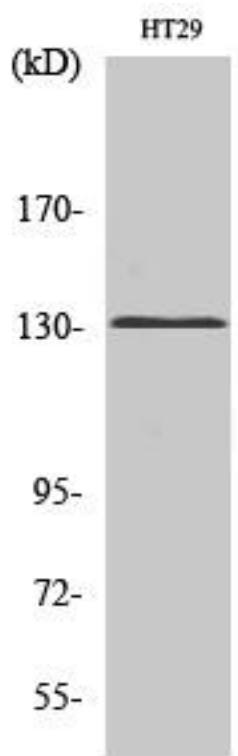
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using mGluR5 Monoclonal Antibody