

产品名称: mGluR5 Rabbit Polyclonal Antibody
产品货号: AP Rab13862



产品概述 (Summary)

产品名称 (Production Name)	mGluR5 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRM5
别名 (Alternative Names)	GRM5; GPRC1E; MGLUR5; Metabotropic glutamate receptor 5; mGluR5
基因 ID (Gene ID)	2915.0
蛋白 ID (SwissProt ID)	P41594.The antiserum was produced against synthesized peptide derived from human GRM5. AA range:21-70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	130kDa

研究背景 (Background)

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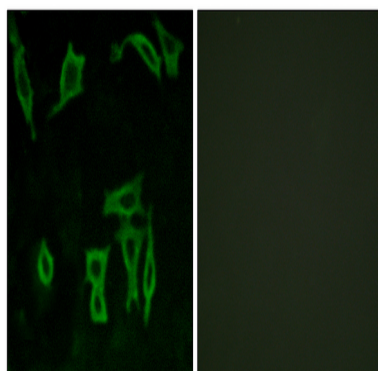


glutamate metabotropic receptor 5 (GRM5) Homo sapiens This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved 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], 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.,

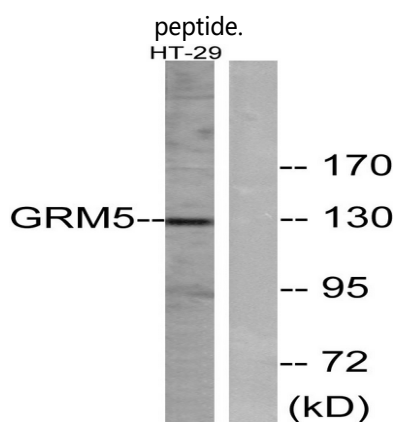
研究领域 (Research Area)

Calcium; Neuroactive ligand-receptor interaction; Gap junction; Long-term potentiation; Long-term depression; Huntington's disease;

图片 (Image Data)

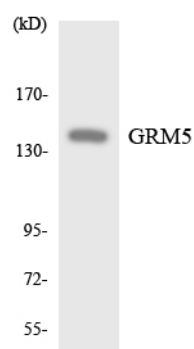


Immunofluorescence analysis of LOVO cells, using GRM5 Antibody. The picture on the right is blocked with the synthesized

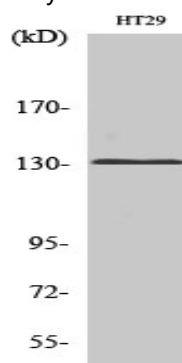


Western blot analysis of lysates from HT-29 cells, using GRM5 Antibody. The lane on the right is blocked with the synthesized peptide.

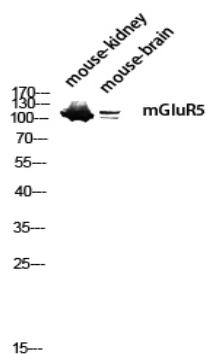
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Western blot analysis of the lysates from HeLa cells using GRM5 antibody.



Western Blot analysis of various cells using mGluR5 Polyclonal Antibody diluted at 1: 1000



Western blot analysis of mouse-kidney mouse-brain lysis using mGluR5 antibody. Antibody was diluted at 1:1000

注意事项 (Note)

For research use only .