



Datasheet for ABIN7043249

anti-Metabotropic Glutamate Receptor 4 antibody (Extracellular, N-Term)



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2 Images

Overview

Quantity:	50 µL
Target:	Metabotropic Glutamate Receptor 4 (GRM4)
Binding Specificity:	AA 33-44, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metabotropic Glutamate Receptor 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: KPKGHPHMNSIR(C), corresponding to amino acid residues 33-44 of rat mGluR4
Isotype:	IgG
Characteristics:	Anti-mGluR4 (extracellular) Antibody is directed against an extracellular epitope of rat mGluR4. Anti-mGluR4 (extracellular) Antibody (ABIN7043249, ABIN7044344 and ABIN7044345)) can be used in western blot and live cell imaging applications. It has been designed to recognize mGluR4 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

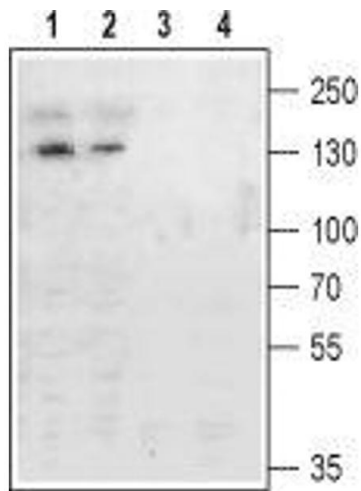
Target:	Metabotropic Glutamate Receptor 4 (GRM4)
Alternative Name:	mGluR4 (GRM4 Products)
Background:	Alternative names: mGluR4, Metabotropic glutamate receptor 4, GRM4, mGlu4, GPRC1D
Gene ID:	24417
NCBI Accession:	NM_000841
UniProt:	P31423

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

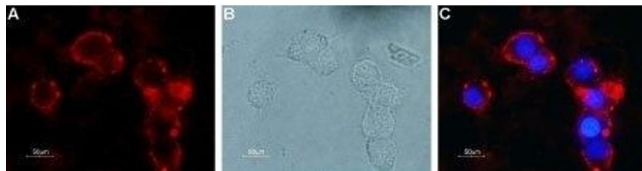
Handling

Format:	Lyophilized
Reconstitution:	25 μ L, 50 μ L or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-mGluR4 (extracellular) Antibody (ABIN7043249, ABIN7044344 and ABIN7044345), (1:200).3,4. Anti-mGluR4 (extracellular) Antibody, preincubated with mGluR4 (extracellular) Blocking Peptide (#BLP-GC014).



Immunocytochemistry

Image 2. Expression of mGluR4 in rat PC12 cells - Cell surface detection of mGluR4 in live intact rat PC12 pheochromocytoma cells. A. Extracellular staining of cells using Anti-mGluR4 (extracellular) Antibody (ABIN7043249, ABIN7044344 and ABIN7044345), (1:50), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Live view of the cells. C. Merge of A and B. Nuclei are stained with Hoechst 33342 (blue).