

Rabbit GRM4 Polyclonal Antibody | anti-GRM4 antibody

GRM4 Polyclonal Antibody

CATALOG # AAA37591	HOST Rabbit	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

GRM4; Polyclonal Antibody; GRM4 Polyclonal Antibody; mGlu4; GPRC1D; MGLUR4; anti-GRM4 antibody

PRODUCT SPECIFICATIONS

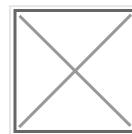
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	912
Applicable Applications for anti-GRM4 antibody	WB (Western Blot)
Source	Rabbit
Species Reactivity/Cross Reactivity	Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 33-290 of human GRM4 (NP_000832.1)
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast using PHF19antibody (A7284) at dilution of 1:100(40x lens).



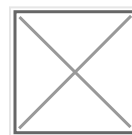
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PHF19antibody (AAA37591) at dilution of 1:100(40x lens)



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using GRM4 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GRM4 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM4 antibody	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GRM4 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	2495077
NCBI GeneID	2914
UniProt Accession #	Q14833; Q5SZ84; Q6ZMQ2; B3KVL9; B7Z1T9; B7Z1U6; F5GXM5; AAB34891
Molecular Weight	Calculated MW: 83kDa/86kDa/87kDa/88kDa/101kDa Observed MW: 110kDa
NCBI Official Full Name	Metabotropic glutamate receptor 4
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 4
NCBI Official Symbol	GRM4
NCBI Official Synonym Symbols	mGlu4; GPRC1D; MGLUR4
NCBI Protein Information	metabotropic glutamate receptor 4
UniProt Protein Name	Metabotropic glutamate receptor 4
UniProt Gene Name	GRM4
UniProt Synonym Gene Names	GPRC1D; MGLUR4; mGluR4
UniProt Entry Name	GRM4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.