

Rabbit GRM5 / MGLUR5 Polyclonal Antibody | anti-GRM5 antibody

Rabbit Polyclonal to Human GRM5 / MGLUR5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50766	Rabbit	Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Xenopus (at least 90% immunogen sequence identity)	Immunohistochemistry

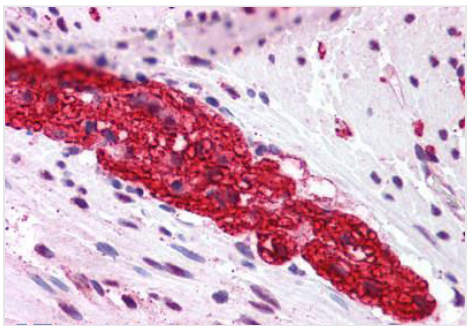
PRODUCT SYNONYMS

GRM5 / MGLUR5; Polyclonal Antibody; Rabbit Polyclonal to Human GRM5 / MGLUR5; Anti-GRM5 / MGLUR5 Antibody (N-Terminus) IHC-plus; GRM5; GPRC1E; MGLUR5; Mglur5b; MGlu5; Human GRM5; anti-GRM5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Xenopus (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GRM5 / MGLUR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1180
Applicable Applications for anti-GRM5 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from N-terminal extracellular domain of human GRM5 / MGLUR5.
Immunogen Type	Synthetic peptide
Immunogen	GRM5 / MGLUR5 antibody was raised against synthetic 17 amino acid peptide from N-terminal extracellular domain of human GRM5 / MGLUR5. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Mouse, Rat, Dog, Bat, Bovine, Hamster, Horse, Rabbit, Pig, Turkey, Zebra finch, Chicken, Platypus, Lizard (100%); Xenopus (94%); Opossum, Pufferfish (88%); Zebrafish (82%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GRM5 / MGLUR5 antibody IHC of human colon, myenteric plexus.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM5 antibody	Group I of the Metabotropic Glutamate Receptors includes GRM1 and GRM5, receptors that have been shown to activate phospholipase C. Alternative splice variants of GRM5 have been described, but their full-length nature has not been determined. Inflammation results in the activation of mGluR1 and mGluR5 in dorsal horn neurons of the spinal cord, leading to extracellular signal-regulated kinase (ERK) activation, which is required for nociceptive plasticity and enhanced pain.
Product Categories/Family for anti-GRM5 antibody	Family: GPCR; Subfamily: Metabotropic glutamate

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504143
NCBI GeneID	2915
NCBI Accession #	NP_000833.1
NCBI GenBank Nucleotide #	NM_000842.4
UniProt Accession #	P41594; Q6J164
Molecular Weight	105,432 Da
NCBI Official Full Name	metabotropic glutamate receptor 5 isoform b
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 5
NCBI Official Symbol	GRM5
NCBI Official Synonym Symbols	mGlu5; GPRC1E; MGLUR5; PPP1R86
NCBI Protein Information	metabotropic glutamate receptor 5; protein phosphatase 1, regulatory subunit 86
UniProt Protein Name	Metabotropic glutamate receptor 5
UniProt Gene Name	GRM5
UniProt Synonym Gene Names	GPRC1E; MGLUR5; mGluR5
UniProt Entry Name	GRM5_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.