

Rabbit GRM7 / MGLUR7 Polyclonal Antibody | anti-GRM7 antibody

Rabbit Polyclonal to Human GRM7 / MGLUR7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52193	Rabbit	Gibbon, Bovine, Chimpanzee, Dog, Gorilla, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat Predicted Reactivity: Chicken (at least 90% immunogen sequence identity)	Immunohistochemistry

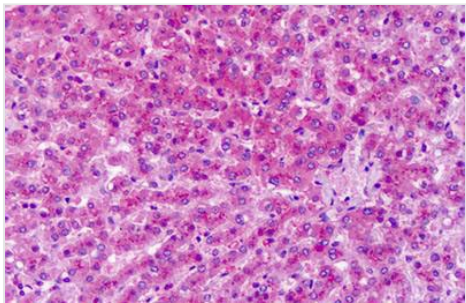
PRODUCT SYNONYMS

GRM7 / MGLUR7; Polyclonal Antibody; Rabbit Polyclonal to Human GRM7 / MGLUR7; Anti-GRM7 / MGLUR7 Antibody (Extracellular Domain) IHC-plus; GRM7; GLUR7; MGLU7; MGLUR7; GPRC1G; Human GRM7; anti-GRM7 antibody

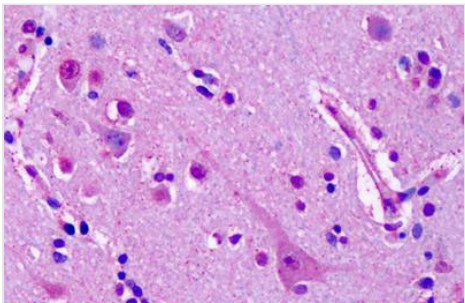
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Bovine, Chimpanzee, Dog, Gorilla, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat Predicted Reactivity: Chicken (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GRM7 / MGLUR7. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GRM8 (67%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	915
Applicable Applications for anti-GRM7 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 15 amino acid peptide from 2nd extracellular domain of human GRM7 / MGLUR7. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Dolphin, Elephant, Panda, Bovine.
Immunogen Type	Synthetic peptide
Immunogen	GRM7 / MGLUR7 antibody was raised against synthetic 15 amino acid peptide from 2nd extracellular domain of human GRM7 / MGLUR7. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Dolphin, Elephant, Panda, Bovine, Dog, Horse, Rabbit, Pig (100%); Opossum, Turkey, Chicken (93%).
Antigen Modification	Extracellular Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GRM7 / MGLUR7 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.



IHC (Immunohistochemistry)
Anti-GRM7 / MGLUR7 antibody IHC of human brain, cortex, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM7 antibody	Metabotropic Glutamate Receptor GRM7 binds L-glutamate, the major excitatory neurotransmitter in the central nervous system, which activates both ionotropic and metabotropic glutamate receptors. GRM7 is highly concentrated at presynaptic terminals and is thought to play an important role in the modulation of glutamatergic synaptic transmission by effecting presynaptic inhibition of glutamate release.
Product Categories/Family for anti-GRM7 antibody	Family: GPCR; Subfamily: Metabotropic glutamate

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504147
NCBI GeneID	2917
NCBI Accession #	NP_000835.1
NCBI GenBank Nucleotide #	NM_000844.3
UniProt Accession #	Q14831; Q8NFS2; Q8NFS3; Q8NFS4
Molecular Weight	101,302 Da
NCBI Official Full Name	metabotropic glutamate receptor 7 isoform a
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 7
NCBI Official Symbol	GRM7
NCBI Official Synonym Symbols	GLUR7; MGLU7; GPRC1G; MGLUR7; PPP1R87
NCBI Protein Information	metabotropic glutamate receptor 7; protein phosphatase 1, regulatory subunit 87
UniProt Protein Name	Metabotropic glutamate receptor 7
UniProt Gene Name	GRM7
UniProt Synonym Gene Names	GPRC1G; MGLUR7; mGluR7
UniProt Entry Name	GRM7_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.