

Rabbit GRM3 Polyclonal Antibody | anti-GRM3 antibody

GRM3 Antibody

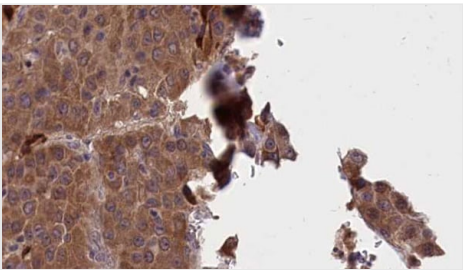
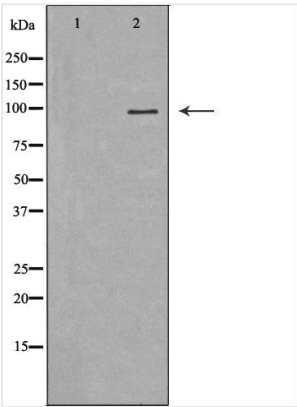
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326744	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GRM3; Polyclonal Antibody; GRM3 Antibody; GLUR3; Glutamate metabotropic receptor 3; Glutamate receptor metabotropic 3; GPRC1C; GRM3_HUMAN; Metabotropic glutamate receptor 3; MGlu3; mGluR3; anti-GRM3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRM3 antibody detects endogenous levels of total GRM3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	879
Applicable Applications for anti-GRM3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRM3
Subcellular Location	Cell Membrane
Tissue Specificity	Detected in brain cortex, thalamus, subthalamic nucleus, substantia nigra, hypothalamus, hippocampus, corpus callosum, caudate nucleus and amygdala.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326744 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse kidney lysate, using GRM3 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM3 antibody

Description: 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.

Function: G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity.

Subunit Structure: Interacts with GRASP.

Similarity: Belongs to the G-protein coupled receptor 3 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46358417
NCBI GeneID	2913
NCBI Accession #	NP_000831.2
NCBI GenBank Nucleotide #	NM_000840.2
UniProt Accession #	Q14832; Q2PNZ6; Q75MV4; Q75N17; Q86YG6; Q8TBH9
Molecular Weight	Observed: 98 kDa Predicted: 99 kDa
NCBI Official Full Name	metabotropic glutamate receptor 3 isoform 1
NCBI Official Synonym Full Names	glutamate metabotropic receptor 3
NCBI Official Symbol	GRM3
NCBI Official Synonym Symbols	GLUR3; mGlu3; GPRC1C; MGLUR3
NCBI Protein Information	metabotropic glutamate receptor 3
UniProt Protein Name	Metabotropic glutamate receptor 3
UniProt Gene Name	GRM3
UniProt Synonym Gene Names	GPRC1C; MGLUR3; mGluR3

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/grm3-antibody-immunohistochemistry-western-blot-elisa/326744>