

Rabbit GRM2 Polyclonal Antibody | anti-GRM2 antibody

GRM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322783	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

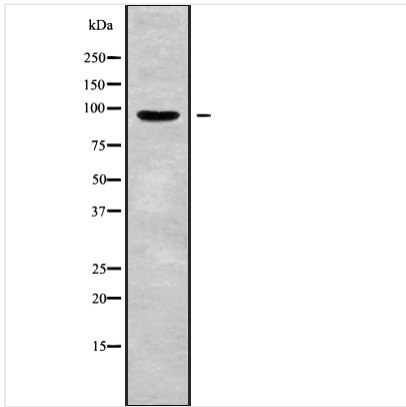
PRODUCT SYNONYMS

GRM2; Polyclonal Antibody; GRM2 Antibody; AMPA selective glutamate receptor 2; GLUR2; GLURB; Glutamate metabotropic receptor 2; Glutamate receptor homolog; Glutamate receptor metabotropic 2; GPRC1B; GRM2_HUMAN; Metabotropic glutamate receptor 2; mGlu2; mGluR2; OTTHUMP00000210984; OTTHUMP00000210986; anti-GRM2 antibody

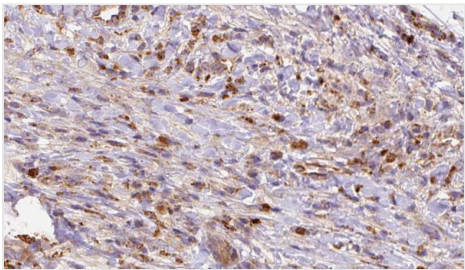
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRM2 antibody detects endogenous levels of total GRM2
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	872
Applicable Applications for anti-GRM2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRM2
Subcellular Location	Cell Membrane
Tissue Specificity	Detected in brain cortex (at protein level). Widely expressed in different regions of the adult brain as well as in fetal brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis GRM2 using HUVEC whole cell lysates



IHC (Immunohistochemistry)
AAA322783 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM2 antibody	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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization. Subunit Structure: Interacts with GRASP (By similarity). Interacts with HTR2A. Similarity: Belongs to the G-protein coupled receptor 3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66529100
NCBI GeneID	2912
NCBI Accession #	NP_000830.2
NCBI GenBank Nucleotide #	NM_000839.4
UniProt Accession #	Q14416; Q14CU5; Q52MC6; Q9H3N6; B0M0K7
Molecular Weight	Observed: 96 kDa Predicted: 96 kDa
NCBI Official Full Name	metabotropic glutamate receptor 2 isoform a
NCBI Official Synonym Full Names	glutamate metabotropic receptor 2
NCBI Official Symbol	GRM2
NCBI Official Synonym Symbols	GLUR2; mGlu2; GPRC1B; MGLUR2
NCBI Protein Information	metabotropic glutamate receptor 2
UniProt Protein Name	Metabotropic glutamate receptor 2
UniProt Gene Name	GRM2
UniProt Synonym Gene Names	GPRC1B; MGLUR2; mGluR2

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.