

Rabbit GRM8 Polyclonal Antibody | anti-GRM8 antibody

GRM8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326858	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

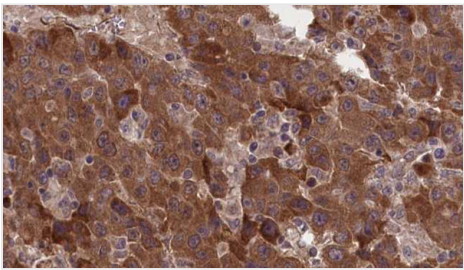
PRODUCT SYNONYMS

GRM8; Polyclonal Antibody; GRM8 Antibody; FLJ41058; GLUR8; Glutamate receptor metabotropic 8; GPRC1H; GRM8_HUMAN; Metabotropic glutamate receptor 8; MGC126724; mGlu8; mGluR8; anti-GRM8 antibody

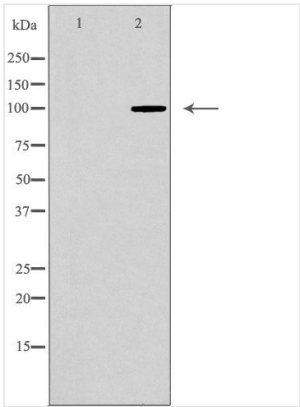
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRM8 antibody detects endogenous levels of total GRM8
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	908
Applicable Applications for anti-GRM8 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human GRM8
Subcellular Location	Cell Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326858 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 extracts of mouse brain tissue, using GRM8 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM8 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

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.

Subunit Structure: Interacts with PICK1.

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	187960067
NCBI GeneID	2918
NCBI Accession #	NP_000836.2
NCBI GenBank Nucleotide #	NM_000845.2
UniProt Accession #	O00222; O15493; O95945; O95946; Q3MIV9; Q52M02; Q6J165; A4D0Y3; B0FZ74; B0M0L0
Molecular Weight	Observed: 102 kDa Predicted: 102 kDa
NCBI Official Full Name	metabotropic glutamate receptor 8 isoform a
NCBI Official Synonym Full Names	glutamate metabotropic receptor 8
NCBI Official Symbol	GRM8
NCBI Official Synonym Symbols	GLUR8; mGlu8; GPRC1H; MGLUR8
NCBI Protein Information	metabotropic glutamate receptor 8
UniProt Protein Name	Metabotropic glutamate receptor 8
UniProt Gene Name	GRM8

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://stage.aaabiotech.com/polyclonal/grm8-antibody-immunohistochemistry-western-blot-elisa/326858>