

Rabbit GRM1 Polyclonal Antibody | anti-GRM1 antibody

GRM1 Antibody

CATALOG # AAA305189	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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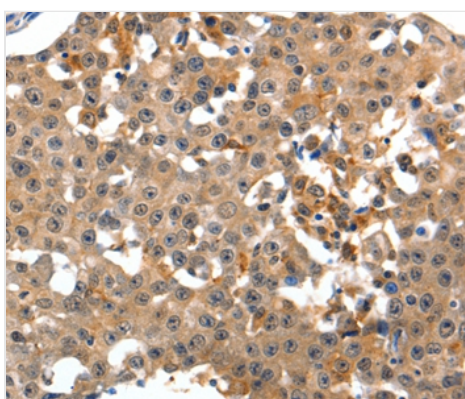
PRODUCT SYNONYMS

GRM1; Polyclonal Antibody; GRM1 Antibody; GRM1A; mGlu1; GPRC1A; MGLUR1; SCAR13; MGLUR1A; anti-GRM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total GRM1 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Sequence Length	1194
Applicable Applications for anti-GRM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human glutamate receptor, metabotropic 1
Target Name	GRM1
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue at dilution 1/15.



Application Data

Gel: 8%SDS-PAGE Lysate: 60ug HeLa cell Primary antibody: 1/125 Secondary antibody dilution: 1/8000 Exposure time: 1 minute

ADDITIONAL INFORMATION

Related Product Information for anti-GRM1 antibody	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. The canonical alpha isoform of the metabotropic glutamate receptor 1 gene is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. Alternative splicing results in multiple transcript variants encoding distinct isoforms; some of which may have distinct functions.
Product Categories/Family for anti-GRM1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	493798972
NCBI GeneID	2911
NCBI Accession #	NP_000829
NCBI GenBank Nucleotide #	NM_001278064.1
UniProt Accession #	Q13255; Q13256; Q14757; Q14758; Q5VTF7; Q5VTF8; Q9NU10; Q9UGS9; Q9UGT0; B9EG79; F8W805
Molecular Weight	132kd
NCBI Official Full Name	metabotropic glutamate receptor 1 isoform alpha
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 1
NCBI Official Symbol	GRM1
NCBI Official Synonym Symbols	MGLU1; GPRC1A; MGLUR1; SCAR13; PPP1R85
NCBI Protein Information	metabotropic glutamate receptor 1
UniProt Protein Name	Metabotropic glutamate receptor 1
UniProt Gene Name	GRM1
UniProt Synonym Gene Names	GPRC1A; MGLUR1; mGluR1
UniProt Entry Name	GRM1_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.