



## Anti-GRM3 (aa 21-120) polyclonal antibody (DPAB-DC1472)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	GRM3 (NP_000831, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag. The sequence is  LSLGDHNFLRREIKIEGDLVLGGLFPINEKGTTEECGRINEDRGIGQRLEAMLFAIDEIN KDDYLLPGVKLGVHILDTCRDTYALEQSLEFVRASLTKV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GRM3 glutamate receptor, metabotropic 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	GRM3
<b>Synonyms</b>	GRM3; glutamate receptor, metabotropic 3; GLUR3; mGlu3; GPRC1C; MGLUR3; metabotropic glutamate receptor 3; glutamate metabotropic receptor 3;
<b>Entrez Gene ID</b>	<a href="#">2913</a>
<b>Protein Refseq</b>	<a href="#">NP_000831</a>
<b>UniProt ID</b>	<a href="#">A4D1D0</a>
<b>Chromosome Location</b>	7q21.1-q21.2
<b>Pathway</b>	Class C/3 (Metabotropic glutamate/pheromone receptors); Cocaine addiction; GPCR downstream signaling; GPCRs, Class C Metabotropic glutamate, pheromone
<b>Function</b>	G-protein coupled receptor activity; calcium channel regulator activity; glutamate receptor activity; group II metabotropic glutamate receptor activity

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