



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

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

Storage

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

GENE INFORMATION

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