

GRM8 antibody

Catalog No: #38511

Package Size: #38511-1 50ul #38511-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

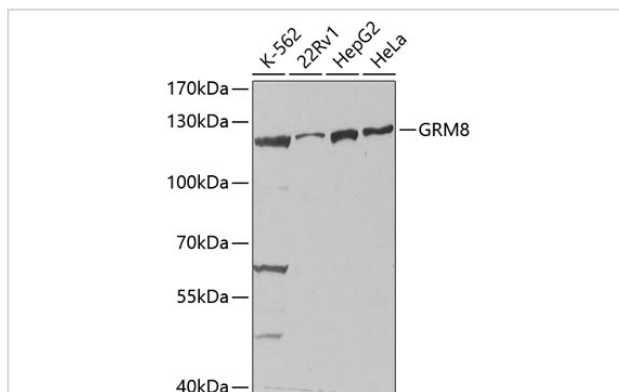
Description

Product Name	GRM8 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total GRM8 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GRM8 (NP_000836.2).
Target Name	GRM8
Other Names	GLUR8; mGlu8; GPRC1H; MGLUR8
Accession No.	Swiss-Prot#: O00222NCBI Gene ID: 2918
Calculated MW	102kDa
SDS-PAGE MW	120kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C

Application Details

Western blotting: □1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using GRM8 antibody (38511) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (38511) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.