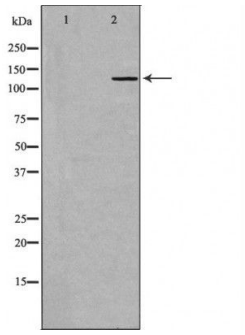
GRM1 Antibody

#24328

Catalog Number: 24328-1, 24328-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :Q13255
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized peptide derived from Human GRM1
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity:GRM1 Antibody detects endogenous levels of total GRM1
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW:132kd WB:1:500-2000 IHC:1:50-200



Western blot analysis of extracts of Hela celllysateline, using GRM1antibody|Immunohistochemistryof paraffin-embeddedhumanbreast cancer tissue usingGRM1antibody.

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.