GRM4 Antibody

Catalog No: #36912

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

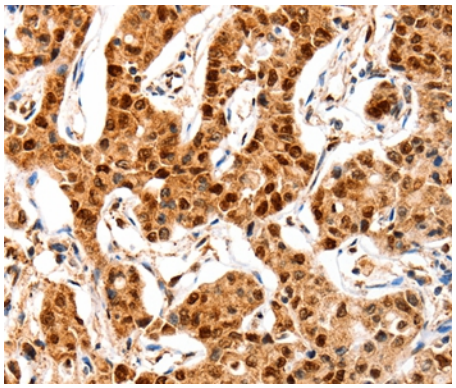
Description

Product Name	GRM4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GRM4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human glutamate receptor, metabotropic 4
Target Name	GRM4
Other Names	mGlu4; GPRC1D; MGLUR4
Accession No.	Swiss-Prot#: Q14833NCBI Gene ID: 2914Gene Accssion: NP_000832
Uniprot	Q14833
GeneID	2914;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

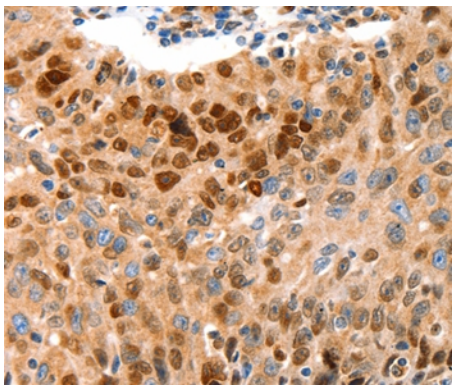
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36912 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #36912 at dilution 1/20.

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. Several transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only