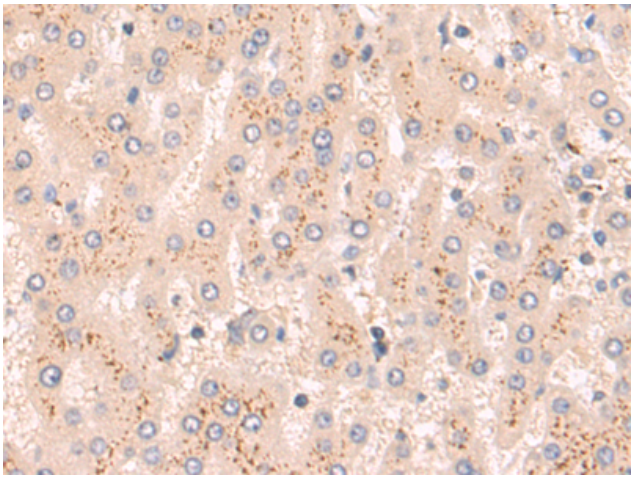
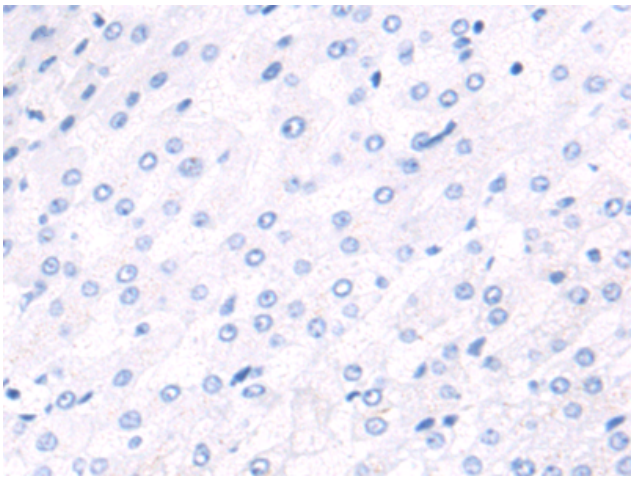
GRM4 RABBIT PAB

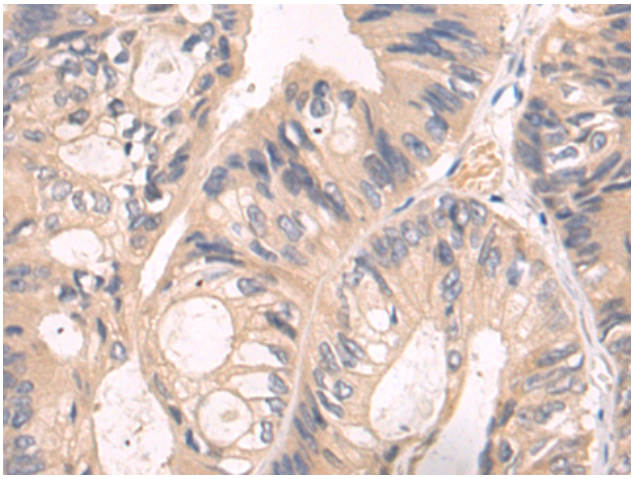
Cat.#: S221351
Product Name: Anti-GRM4 Rabbit Polyclonal Antibody
Synonyms: mGlu4; GPRC1D; MGLUR4
UNIPROT ID: Q14833 (Gene Accession - NP_000832)
Background: L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. 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.
Immunogen: Synthetic peptide of human GRM4
Applications: ELISA, IHC
Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse, Rat
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Signal Transduction, Neuroscience
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



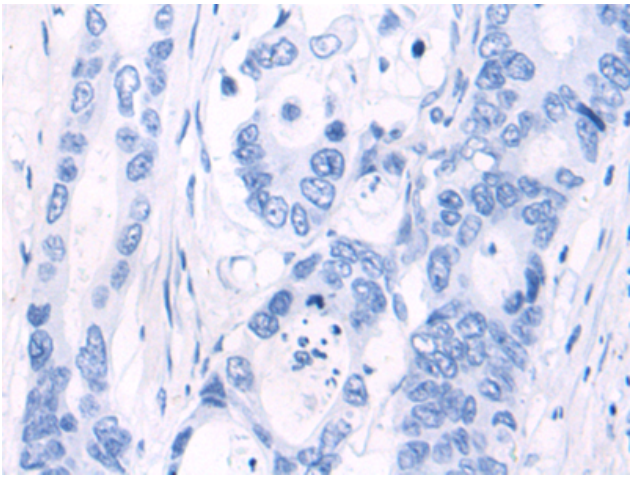
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221351(GRM4 Antibody) at a dilution of 1/50(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221351(Anti-GRM4 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 221351(Anti-GRM4 Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with synthetic peptide and then with D262903(Anti-GRM4 Antibody) at dilution 1/50.