

## GRM1 RABBIT PAB

货号: S219834

产品全名: GRM1 兔多抗

基因符号 GRM1A, mGlu1, GPRC1A, MGLUR1, SCAR13, MGLUR1A

**UNIPROT ID:** Q13255 (Gene Accession - NP\_000829)

**背景:** 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. The canonical alpha isoform of the metabotropic glutamate receptor 1 gene is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. Alternative splicing results in multiple transcript variants encoding distinct isoforms; some of which may have distinct functions.

**抗原:** Synthetic peptide of human GRM1

**经过测试的应用:** ELISA, IHC

**推荐稀释比:** IHC: Oct-50; ELISA: 1000-2000

**种属反应性:** Rabbit

**克隆性:** Rabbit Polyclonal

**亚型:** Immunogen-specific rabbit IgG

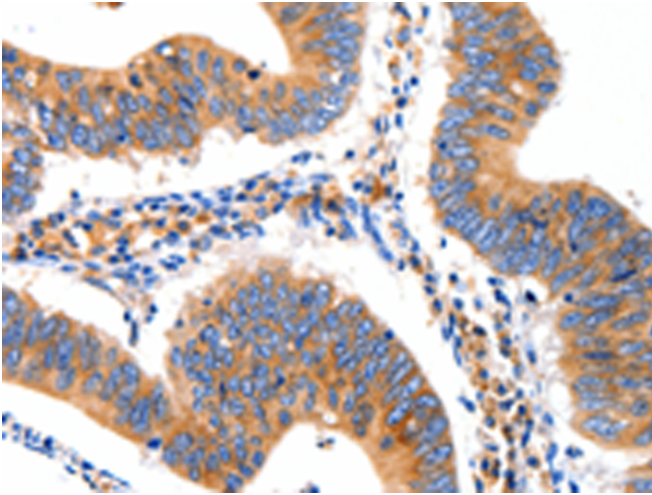
**纯化:** Antigen affinity purification

**种属反应性:** Human, Mouse, Rat

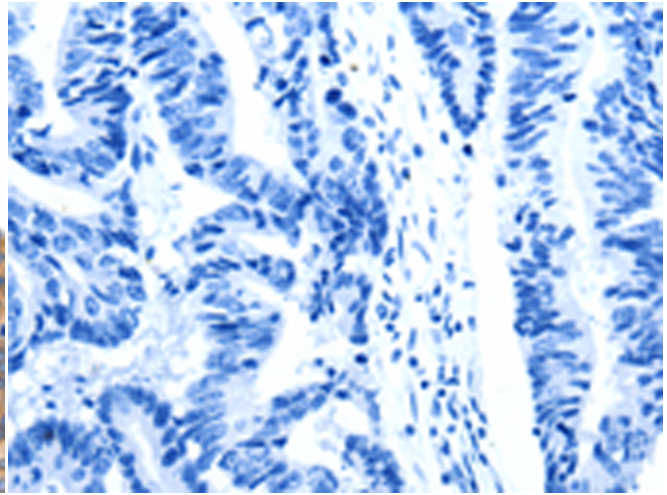
**成分:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**研究领域:** Neuroscience

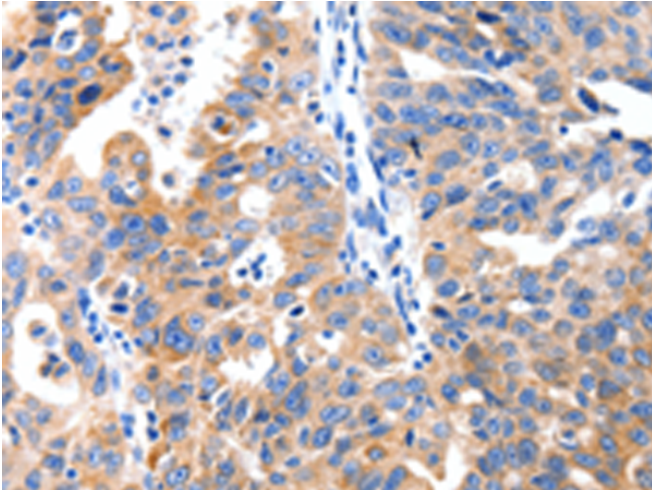
**储存和运输:** Store at -20°C. Avoid repeated freezing and thawing



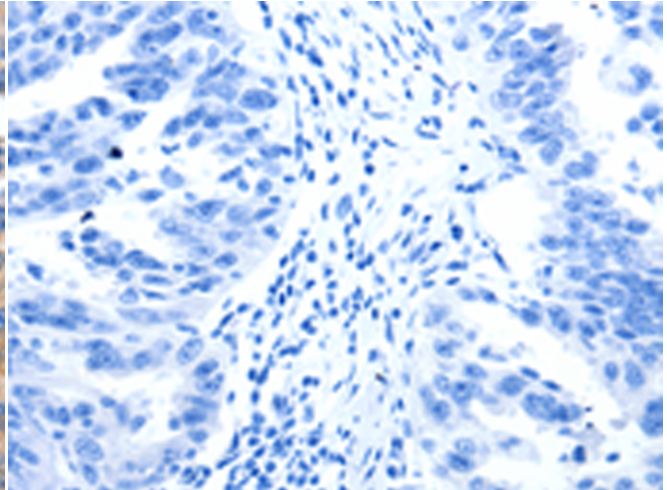
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 219834 (GRM1 Antibody) at a dilution of 1/10 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the synthetic peptide and then with 219834 (Anti-GRM1 Antibody) at dilution 1/10.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 219834 (Anti-GRM1 Antibody) at a dilution of 1/10.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260458 (Anti-GRM1 Antibody) at dilution 1/10.