Anti-GRM8 antibody

Cat. No.	ml260460
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-GRM8 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human GRM8
Reactivity	Human, Mouse, Rat
Content	0.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	GRM8
Full name	glutamate receptor, metabotropic 8

Synonyms	GLUR8, mGlu8, GPRC1H, MGLUR8
Swissprot	O00222

Target 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.

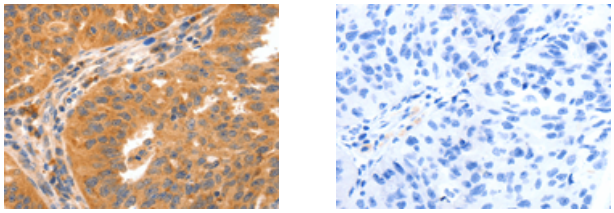
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human ovarian cancer

Recommended dilution: 150-500

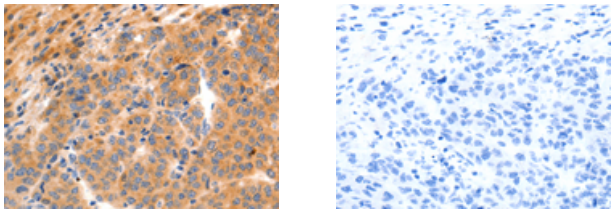


The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml260460(GRM8 Antibody) at dilution 1/150, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 150-500



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml260460(GRM8 Antibody) at dilution 1/150, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:56 kDa

Positive control:Mouse heart tissue

Recommended dilution: 1000-5000

Gel: 8%SDS-PAGE

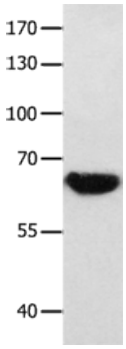
Lysate: 40 µg

Lane: Mouse heart tissue

Primary antibody: ml260460(GRM8 Antibody) at dilution 1/1500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 minutes



ELISA

Recommended dilution: 2000-10000

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