

Datasheet for ABIN5611178

anti-Metabotropic Glutamate Receptor 5 antibody (AA 458-580)



[Go to Product page](#)

6 Images

Overview

Quantity:	0.1 mg
Target:	Metabotropic Glutamate Receptor 5 (GRM5)
Binding Specificity:	AA 458-580
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Metabotropic Glutamate Receptor 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRM5 (AA: extra 458-580) expressed in E. coli.
Clone:	1A11D10
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Metabotropic Glutamate Receptor 5 (GRM5)
Alternative Name:	GRM5 (GRM5 Products)
Background:	Description: This gene encodes a member of the G-protein coupled receptor 3 protein family.

Target Details

The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants.

Aliases: mGlu5, GPRC1E, MGLUR5, PPP1R86

Molecular Weight: 132.5 kDa

Gene ID: 2915

HGNC: 2915

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: N/A, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

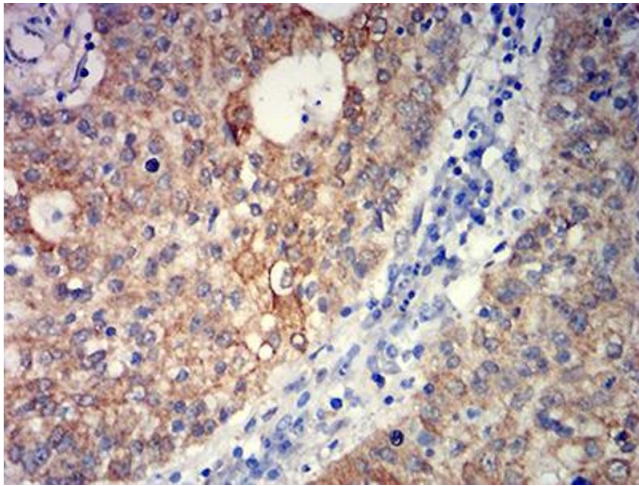
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

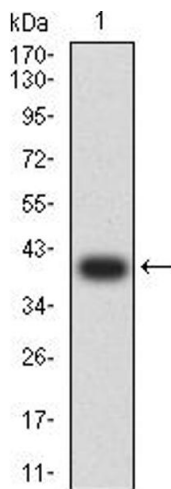
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



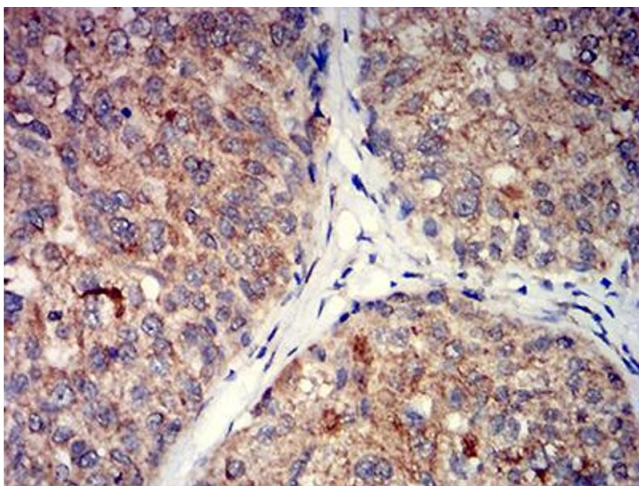
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using GRM5 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using GRM5 mAb against human GRM5 (AA: extra 458-580) recombinant protein. (Expected MW is 40.1 kDa)



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using GRM5 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5611178.