

Datasheet for ABIN5611160
anti-GRM7 antibody (AA 454-590)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	GRM7
Binding Specificity:	AA 454-590
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRM7 (AA: 454-590) expressed in E. coli.
Clone:	7G8A2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GRM7
Alternative Name:	GRM7 (GRM7 Products)
Background:	Description: L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in

Target Details

many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three 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. Multiple transcript variants encoding different isoforms have been found for this gene.

Aliases: GLUR7, MGLU7, GPRC1G, MGLUR7, PPP1R87

Molecular Weight:	102.3 kDa
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Gene ID:	2917
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HGNC:	2917
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Pathways:	Sensory Perception of Sound , cAMP Metabolic Process , Feeding Behaviour
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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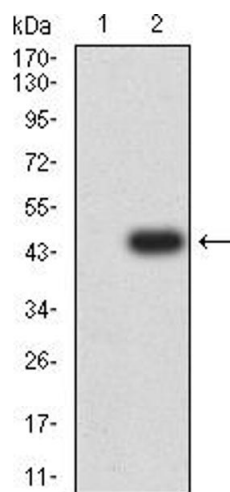
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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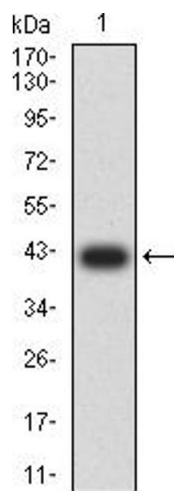
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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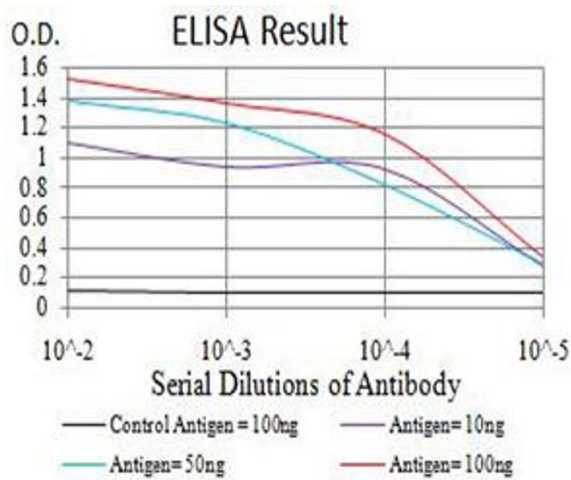
Western Blotting

Image 1. Western blot analysis using GRM7 mAb against HEK293 (1) and GRM7 (AA: 454-590)-hlgGFc transfected HEK293 (2) cell lysate.



Western Blotting

Image 2. Western blot analysis using GRM7 mAb against human GRM7 (AA: 454-590) recombinant protein. (Expected MW is 41.7 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5611160.