abcam

ab327915

Anti-GRM5 antibody [HL3509] - BSA and Azide free

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	HL3509
Purification technique	Affinity purification Protein A

Reactivity data

WB

Tested

Species	Rat
Dilution info	1/1000
Notes	-

Species	Mouse
Dilution info	1/1000

Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Mouse
Dilution info	1/400
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/400
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Predicted

Species	Human
Dilution info	-
Notes	-

IHC-Fr

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Human, Rat
Dilution info	-
Notes	-

Flow Cyt

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information GRM5

Function G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Storage information	Avoid freeze / thaw cycle

Notes

This antibody was raised against mGluR5 Intracellular domain.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

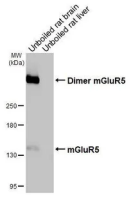
3 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRM5 antibody [HL3509] - BSA and Azide free (ab327915)

GRM5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse hippocampus using rabbit Anti-GRM5 antibody

ab327915 detects mGluR5 protein by immunohistochemical analysis.
Sample: Paraffin-embedded mouse hippocampus.
mGluR5 stained by ab327915 diluted at 1:400.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Western blot - Anti-GRM5 antibody [HL3509] - BSA and Azide free (ab327915)

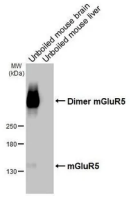
GRM5 Western blot staining using rabbit Anti-GRM5 antibody

Unboiled various tissue extracts were separated by 5% SDS-PAGE, and the membrane was blotted with ab327915 diluted at 1:1000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.
All lanes:
Western blot - Anti-GRM5 antibody [HL3509] - BSA and Azide free (ab327915) at 1/1000 dilution

Lane 1:
Rat brain tissue extract at 50 µg

Lane 2:
Rat liver tissue extract at 50 µg

Observed band size: 130 kDa, >250 kDa



Western blot - Anti-GRM5 antibody [HL3509] - BSA and Azide free (ab327915)

GRM5 Western blot staining using rabbit Anti-GRM5 antibody

Unboiled various tissue extracts were separated by 5% SDS-PAGE, and the membrane was blotted with ab327915 diluted at 1:1000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.
All lanes:
Western blot - Anti-GRM5 antibody [HL3509] - BSA and Azide free (ab327915) at 1/1000 dilution

Lane 1:
Mouse brain tissue extract at 50 µg

Lane 2:
Mouse liver tissue extract at 50 µg

Observed band size: 130 kDa, >250 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.