abcam

ab233722

Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody [7G8D3]

Mouse Monoclonal Metabotropic Glutamate Receptor 7/MGLUR7 antibody. Suitable for Flow Cyt, WB and reacts with Human samples. Cited in 2 publications. Immunogen corresponding to Recombinant Fragment Protein within Human GRM7 aa 450 to C-terminus.

Image updates are in progress. Products remain available and covered by the Abcam Product Promise. Learn more.

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human GRM7 aa 450 to C-terminus. The exact immunogen used to generate this antibody is proprietary information. Database link Q14831
Clone number	7G8D3
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/200 - 1/400
Notes	-

Predicted

Species	Mouse, Rat, Orangutan
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Mouse, Rat, Orangutan
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human, Mouse, Rat, Orangutan
Dilution info	-
Notes	-

Target data

See full target information GRM7

Function	G-protein coupled receptor activated by glutamate that regulates axon outgrowth through the MAPK-cAMP-PKA signaling pathway during neuronal development (PubMed:33500274). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase that it inhibits (PubMed:9473604).

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
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

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

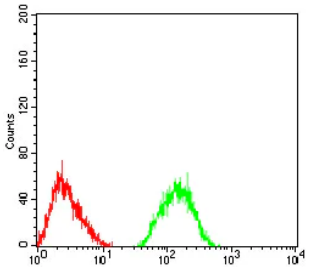
We do not recommend this combination. It is not covered by our product promise.

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.

1 product image



Flow Cytometry - Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody [7G8D3] (ab233722)

Metabotropic Glutamate Receptor 7/MGLUR7 Flow Cytometry staining using mouse Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody

Flow cytometric analysis of SH-SY5Y (human neuroblastoma cell line from bone marrow) cell line labeling Metabotropic Glutamate Receptor 7/MGLUR7 with ab233722 at 1/200 dilution (green) compared with a negative control (red).

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