

Anti-CHRM2 Antibody

Catalog Number: M02733

About CHRM2

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition.

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Overview

Product Name	Anti-CHRM2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-CHRM2 Antibody (Catalog # M02733). Tested in IHC-P, WB, IF, Flow Cytometry application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Monoclonal 1424CT461.78.60
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P08172

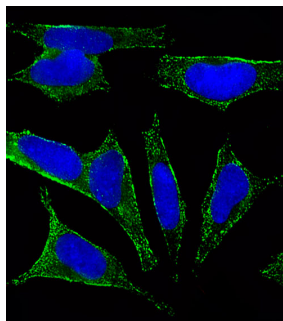
Technical Details

Immunogen	This antibody is generated from a mouse immunized with a recombinant protein.
Predicted Reactive Species	Bovine, Chicken, Horse, Monkey, Pig, Sheep, Xenopus
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.

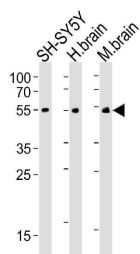
Suggested Dilutions

IF: 1:25
WB: 1:500
IHC-P: 1:25
FC: 1:25

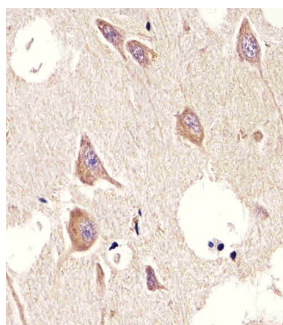
Anti-CHRM2 Antibody (M02733) Images



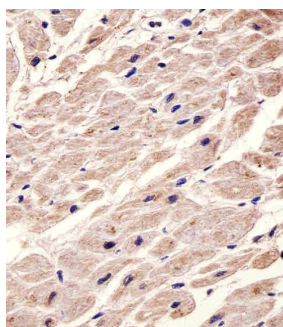
Fluorescent image of SH-SY5Y cells stained with CHRM2 Antibody. M02733 was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of lysates from SH-SY5Y cell line, human brain, mouse brain tissue (from left to right), using CHRM2 Antibody. M02733 was diluted at 1:500 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

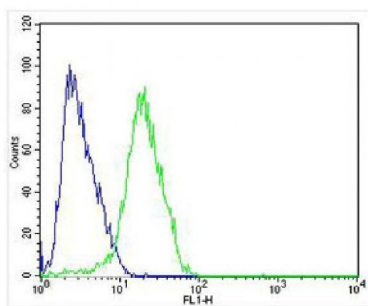


Immunohistochemical analysis of paraffin-embedded H. brain section using CHRM2. M02733 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. heart section using CHRM2. M02733 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

Overlay histogram showing SH-SY5Y cells stained with M02733 (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (166821) at 1/200 dilution.



for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1g/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Anti-CHRM2 Antibody

For Research Use Only. Not for use in diagnostic procedures.