Product Name: **CHRM2 Mouse Monoclonal Antibody**
Catalog #: **AMM85970**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:100-1:500,ICC 1:25-1:50,FC 1:25-1:50
Molecular Weight	51.7kDa

Antigen Information

Gene Name	CHRM2
Alternative Names	Muscarinic acetylcholine receptor M2, CHRM2
Gene ID	1129.0
SwissProt ID	P08172
Immunogen	This antibody is generated from a mouse immunized with a recombinant protein.

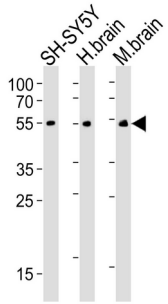
Background

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.

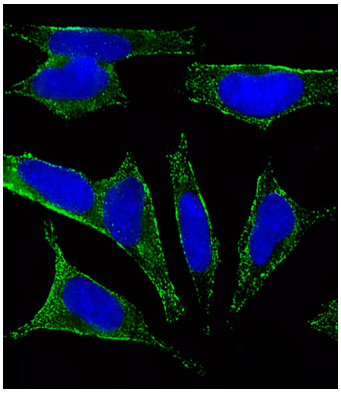
Research Area

PI3K-Akt signaling pathway

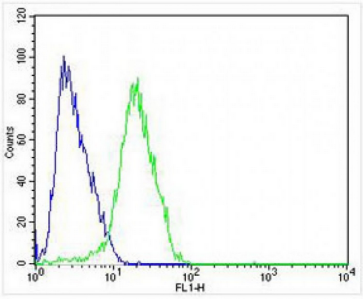
Image Data



Western blot analysis of lysates from SH-SY5Y cell line, human brain, mouse brain tissue(from left to right), using CHRM2 Antibody. CHRM2 Mouse Monoclonal Antibody 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 20µg per lane.



Fluorescent image of SH-SY5Y cells stained with CHRM2 Antibody (Cat#AMM85970). AMM85970 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).



Overlay histogram showing SH-SY5Y cells stained with (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (166821) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.