bsm-51598M **[Primary Antibody]**

CHRM2 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1, k
Clonality: Monoclonal
CloneNo.: N8F12
GeneID: 1129
SWISS: P08172
Target: CHRM2
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]

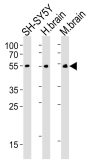
Applications:
WB (1:200-500)
IHC-P (1:25)
IHC-F (1:25)
IF (1:25)
Flow-Cyt (1:25)
ICC/IF (1:25)

Reactivity: Human, Mouse

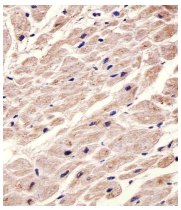
Predicted MW.: 52 kDa

Subcellular Location: Cell membrane

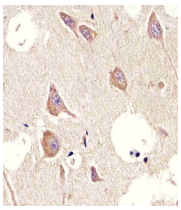
VALIDATION IMAGES



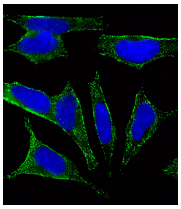
Sample: Lane 1: SH-SY5Y cell lysates Lane 2: Human brain tissue lysates Lane 3: Mouse brain tissue lysates Primary: Anti-CHRM2 (bsm-51598M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 55 kD



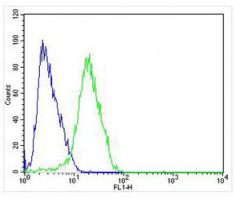
Paraformaldehyde-fixed, paraffin embedded (Human heart section); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CHRM2) Monoclonal Antibody, Unconjugated (bsm-51598M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human brain section); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CHRM2) Monoclonal Antibody, Unconjugated (bsm-51598M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (CHRM2) monoclonal Antibody, Unconjugated (bsm-51598M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat



Blank control: SH-SY5Y. Primary Antibody (green line): Mouse Anti-CHRM2 antibody (bsm-51598M) Dilution: 1:25; Isotype Control Antibody (blue line): Mouse IgG Secondary Antibody : Goat anti-mouse IgG-AF488 Dilution: 1:400 Protocol The cells were fixed with 4% PFA (10min at room

Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.