ARG45173
anti-CHRM1 / M1 mAChR antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHRM1 / M1 mAChR
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	CHRM1 / M1 mAChR
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human CHRM1 / M1 mAChR.
Conjugation	Un-conjugated
Alternate Names	CHRM1; cholinergic receptor muscarinic 1; Muscarinic acetylcholine receptor M1; CHRM1

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	0.5-1 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	55 kDa

Properties

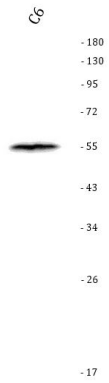
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

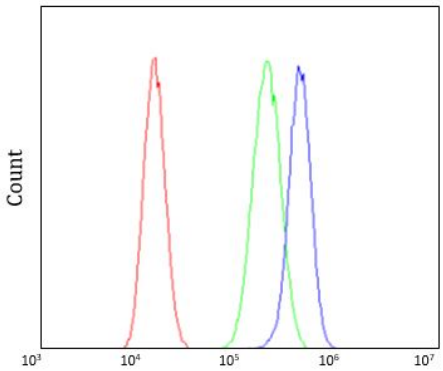
Gene Symbol	CHRM1
Gene Full Name	cholinergic receptor muscarinic 1
Background	The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate 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 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008]
Function	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 Pi turnover. [UniProt]
Calculated Mw	51 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. [UniProt]

Images



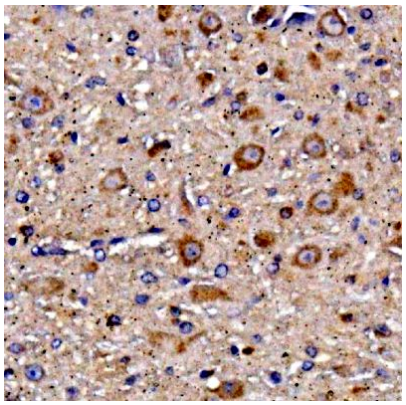
ARG45173 anti-CHRM1 / M1 mAChR antibody WB image

Western blot: C6 stained with ARG45173 anti-CHRM1 / M1 mAChR antibody at 0.5 µg/ml dilution.



ARG45173 anti-CHRM1 / M1 mAChR antibody FACS image

Flow Cytometry: Rat brain stained with ARG45173 anti-CHRM1 / M1 mAChR antibody at 1 µg/10^6 cells dilution.



ARG45173 anti-CHRM1 / M1 mAChR antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45173 anti-CHRM1 / M1 mAChR antibody at 1 µg/ml dilution.

ARG45173 anti-CHRM1 / M1 mAChR antibody WB image

Western blot: Neuro-2A stained with ARG45173 anti-CHRM1 / M1 mAChR antibody at 0.5 µg/ml dilution.