

Datasheet for ABIN3022149

anti-Muscarinic Acetylcholine Receptor M2 antibody (AA 208-388)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Binding Specificity:	AA 208-388
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Muscarinic Acetylcholine Receptor M2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 208-388 of human Muscarinic AChR M2 (ACM2) (NP_001006629.1).
Sequence:	HISRASKSRI KKDKKEPVAN QDPVSPSLVQ GRIVKPNNNN MPSSDDGLEH NKIQNGKAPR DPVTENCVQG EEKESNDST SVSAVASNMR DDEITQDENT VSTSLGHSKD ENSKQTCIRI GKTKPKSDSC TPTNTTVEVV GSSGQNGDEK QNIVARKIVK MTKQPAKKKP PPSREKKVTR T
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

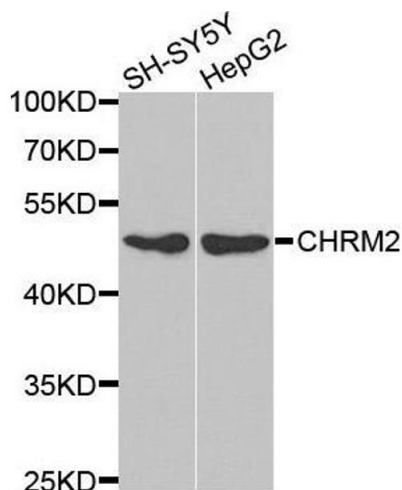
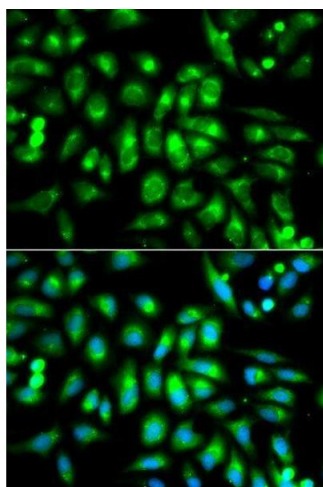
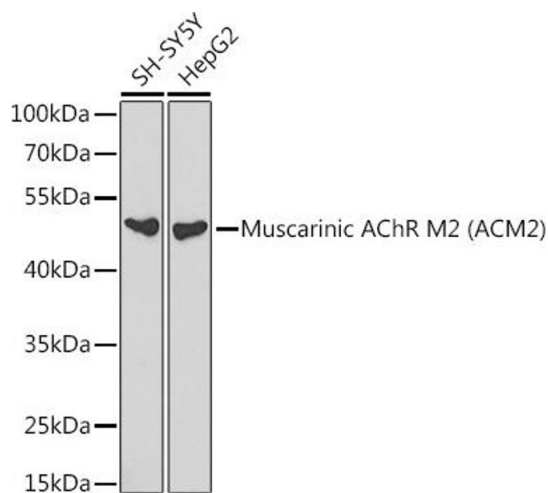
Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Alternative Name:	CHRM2 (CHRM2 Products)
Background:	<p>The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors 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.,CHRM2,HM2,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,CHRM2</p>
Molecular Weight:	51 kDa
Gene ID:	1129
UniProt:	P08172

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Muscarinic AChR M2 antibody (ABIN3022148, ABIN3022149, ABIN3022150 and ABIN6218631) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.

Immunofluorescence

Image 2. Immunofluorescence analysis of MCF7 cell using CHRM2 antibody. Blue: DAPI for nuclear staining.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CHRM2 antibody.