

# CHRM3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22121c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P20309</a>
<b>Other Accession</b>	<a href="#">P41984</a> , <a href="#">P49578</a> , <a href="#">Q9N2A3</a> , <a href="#">Q9ERZ3</a> , <a href="#">Q9N2A4</a> , <a href="#">P11483</a> , <a href="#">Q9N2A2</a> , <a href="#">P08483</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine, Chicken, Mouse, Pig, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB55294
<b>Calculated MW</b>	66128

## Additional Information

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<b>Gene ID</b>	1131
<b>Other Names</b>	Muscarinic acetylcholine receptor M3, CHRM3
<b>Target/Specificity</b>	This CHRM3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 233-264 amino acids from the Central region of human CHRM3.
<b>Dilution</b>	WB~~1:16000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	CHRM3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CHRM3
<b>Function</b>	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.

## Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Colocalizes with TMEM147 in the endoplasmic reticulum (ER) membrane. TMEM147 impairs its trafficking to the cell membrane leading to its retention in the ER membrane

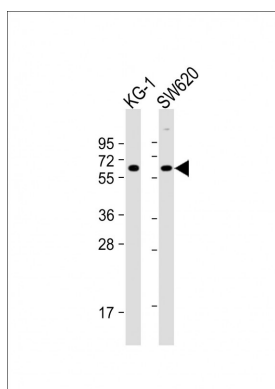
## Background

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 Pi turnover.

## References

Peralta E.G.,et al.EMBO J. 6:3923-3929(1987).  
Bonner T.I.,et al.Neuron 1:403-410(1988).  
Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004).  
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).

## Images



All lanes : Anti-CHRM3 Antibody (Center) at 1:16000 dilution Lane 1: KG-1 whole cell lysate Lane 2: SW620 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.