10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHRM3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22121c

Product Information

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

Additional Information

Gene ID	1131
Other Names	Muscarinic acetylcholine receptor M3, CHRM3
Target/Specificity	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.
Dilution	WB~~1:16000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	CHRM3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHRM3
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.

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

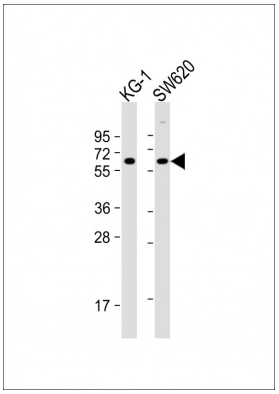
Background

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.