

**CHRM3 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22121c****Specification**

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**CHRM3 Antibody (Center) - Product Information**

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

**CHRM3 Antibody (Center) - 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.

**CHRM3 Antibody (Center) - 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

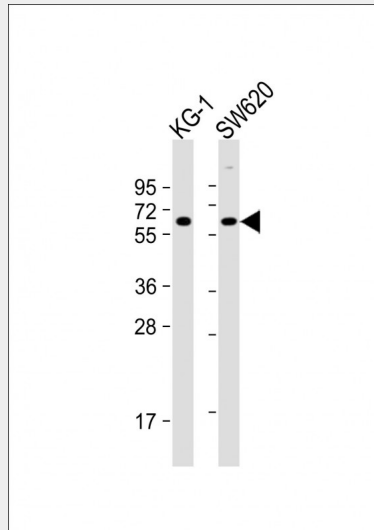
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Colocalizes with TMEM147 in the endoplasmic reticulum (ER) membrane. TMEM147 impairs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

### CHRM3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CHRM3 Antibody (Center) - 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.

### CHRM3 Antibody (Center) - 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.

**CHRM3 Antibody (Center) - 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).