

**CHRM2 (aa352-364) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3812a

**Specification**

---

**CHRM2 (aa352-364) Antibody (internal region) - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">P08172</a>  |
| Other Accession   | <a href="#">NP_000730.1</a> , <a href="#">1129</a> , <a href="#">243764 (mouse)</a> |
| Reactivity        | Mouse   |
| Predicted         | Human, Pig, Dog   |
| Host              | Goat  |
| Clonality         | Polyclonal  |
| Concentration     | 0.5 mg/ml   |
| Isotype           | IgG   |
| Calculated MW     | 51715   |

**CHRM2 (aa352-364) Antibody (internal region) - Additional Information**

**Gene ID** 1129

**Other Names**

Muscarinic acetylcholine receptor M2, CHRM2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CHRM2 (aa352-364) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHRM2 (aa352-364) Antibody (internal region) - Protein Information**

**Name** CHRM2

**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 adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3); this then triggers calcium ion release into the cytosol.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization {ECO:0000250|UniProtKB:P06199}

### **CHRM2 (aa352-364) Antibody (internal region) - 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](#)

### **CHRM2 (aa352-364) Antibody (internal region) - Images**



AF3812a (2 µg/ml) staining of Mouse Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **CHRM2 (aa352-364) Antibody (internal region) - Background**

Reported variants represent identical protein: NP\_001006628.1, NP\_001006633.1, NP\_001006627.1, NP\_000730.1, NP\_001006629.1, NP\_001006630.1, NP\_001006631.1, NP\_001006632.1.

### **CHRM2 (aa352-364) Antibody (internal region) - References**

Preliminary evidence for associations of CHRM2 with substance use and disinhibition in adolescence. Hendershot CS, Bryan AD, Ewing SW, Claus ED, Hutchison KE. J Abnorm Child Psychol. 2011 Jul;39(5):671-81. PMID: 21494862