

# Product datasheet

info@arigobio.com

# ARG41593 anti-CHRM3 / M3 mAChR antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes CHRM3 / M3 mAChR

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name CHRM3 / M3 mAChR

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 390-475 of Human CHRM3 / M3 mAChR

(NP\_000731.1).

Conjugation Un-conjugated

Alternate Names EGBRS; Muscarinic acetylcholine receptor M3; PBS; HM3

### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse heart	
Observed Size	~ 63 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol CHRM3

Gene Full Name cholinergic receptor, muscarinic 3

Background 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 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 3 controls smooth muscle contraction and its

stimulation causes secretion of glandular tissue. [provided by RefSeq, Jul 2008]

Function The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of

adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the

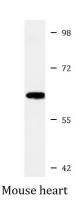
action of G proteins. Primary transducing effect is Pi turnover. [UniProt]

Calculated Mw 66 kDa

Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane;

Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. [UniProt]

# **Images**



#### ARG41593 anti-CHRM3 / M3 mAChR antibody WB image

Western blot: 25  $\mu g$  of Mouse heart lysate stained with ARG41593 anti-CHRM3 / M3 mAChR antibody at 1:3000 dilution.