

## Product datasheet for **TA362206**

### Muscarinic Acetylcholine Receptor M4 (CHRM4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle terminal region of Human CHRM4
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53 kDa
Gene Name:	cholinergic receptor muscarinic 4
Database Link:	<a href="#">NP_000732.2</a> <a href="#">Entrez Gene 1132 Human</a> <a href="#">P08173</a>



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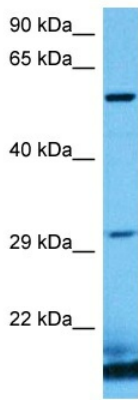
**Background:** The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The clinical implications of this receptor are unknown; however, mouse studies link its function to adenylyl cyclase inhibition.

**Synonyms:** HM4; M4R; OTTHUMP00000205575

**Protein Families:** Druggable Genome

**Protein Pathways:** Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton

### Product images:



Host: Rabbit  
Target Name: CHRM4  
Sample Type: 786-0 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: CHRM4  
Sample Tissue: Human 786-0 Whole Cell lysates  
Antibody Dilution: 1ug/ml