

Datasheet for ABIN5675326  
**anti-CHRM4 antibody (AA 131-230)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	CHRM4
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRM4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CHRM4
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

## Target Details

Target:	CHRM4
Alternative Name:	CHRM4 ( <a href="#">CHRM4 Products</a> )
Background:	Synonyms: mAChR M4, Muscarinic Acetylcholine Receptor M4, Cholinergic receptor muscarinic

## Target Details

4, Chrm 4, CHRM4, HM 4, HM4, M4, Muscarinic acetylcholine receptor M4, ACM4\_HUMAN.

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 to these receptors 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. Muscarinic acetylcholine receptor M4 has been reported to be expressed in many regions of the rat brain, particularly the striatum and hippocampus.

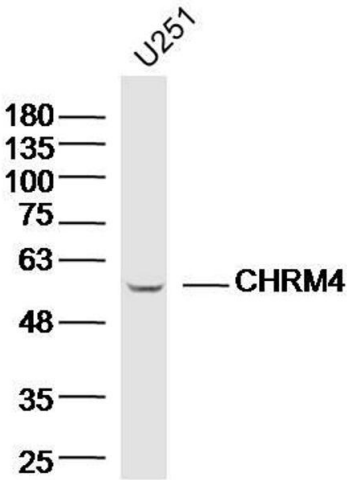
Gene ID:	1132
UniProt:	<a href="#">P08173</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Synaptic Membrane</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



Western Blotting

**Image 1.** U251 lysates probed with CHRM4 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.