

Datasheet for ABIN3029680  
**anti-CHRM1 antibody (AA 303-317)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	CHRM1
Binding Specificity:	AA 303-317
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 303-317 (KMPMVDPEAQPTKQ-human) were used as the immunogen for this muscarinic AChR antibody (100% mouse homology).
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	CHRM1
Alternative Name:	AChR (Muscarinic) ( <a href="#">CHRM1 Products</a> )
Background:	Muscarinic acetylcholine receptor 1 is a muscarinic receptor. The muscarinic cholinergic receptors belong to a larger family of GPCRs. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate

## Target Details

cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation.

Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. AChR is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract.

UniProt: [P11229](#)

Pathways: [Synaptic Membrane](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the AChR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.

Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

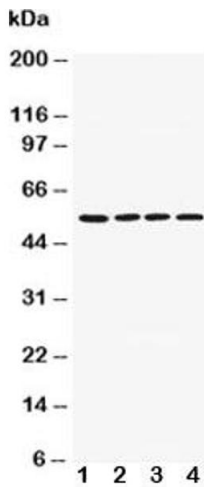
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

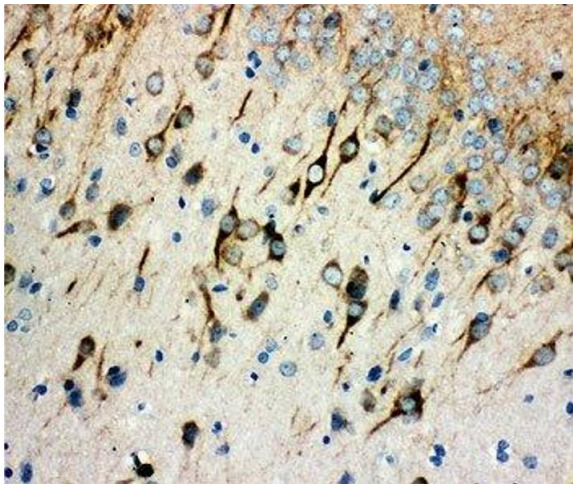
Storage Comment: After reconstitution, the AChR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



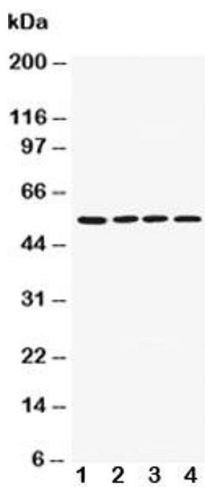
### Western Blotting

**Image 1.** Western blot testing of AChR antibody and Lane 1: rat brain; 2: mouse brain; 3: U87; 4: SHG-44; 5: Neuro-2a; 6: HeLa cell lysate



### Immunohistochemistry

**Image 2.** IHC-P: AChR antibody testing of rat brain tissue



### Western Blotting

**Image 3.** Western blot testing of AChR antibody and Lane 1: rat brain