

## Anti-muscarinic Acetylcholine Receptor 1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig,Cow,Horse)
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Kidney (Rat) lysate at 30 µg; Brain (Rat) lysate at 30 µg; Primary: Anti-ChRM1/Acetylcholine receptor(M1) (TMAB-09117) at 1: 200 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 3000 dilution; Predicted band size: 51 kD Observed band size: 51 kD
	2. Sample: Cerebrum (Mouse) Lysate at 40 µg Cerebrum (Rat) Lysate at 40 µg HepG2 (Human) Cell Lysate at 30 µg Primary: Anti-muscarinic Acetylcholine Receptor 1 (TMAB-09117) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 61 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human muscarinic Acetylcholine Receptor 1
Antigen Species:	Human
Gene ID:	1128
Uniprot ID:	P11229

### Research 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

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cholinergic receptor 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008].

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