

**bs-1289R****[ Primary Antibody ]**

## Muscarinic Acetylcholine receptor M3 Rabbit pAb

**BioSS**  
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

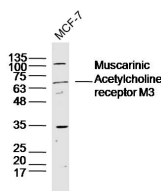
techsupport@bioss.com.cn

400-901-9800

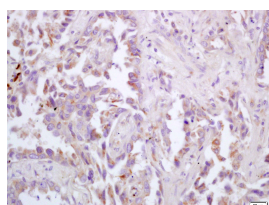
### — DATASHEET —

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 1131	<b>SWISS:</b> P20309	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Muscarinic Acetylcholine receptor M3		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ChRM3: 481-589/589. < Cytoplasmic >		<b>Reactivity:</b> Human (predicted: Mouse, Rat)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 65 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cell membrane
<b>Background:</b> 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].		

### — VALIDATION IMAGES —



Sample: MCF-7 Cell Lysate at 40 ug  
 Primary: Anti-Muscarinic Acetylcholine receptor (bs-1289R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 65 kD  
 Observed band size: 65 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-ChRM3/Acetylcholine receptor(M3) Polyclonal Antibody, Unconjugated (bs-1289R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

### — SELECTED CITATIONS —

- **[IF=12.4]** Yingran Liang. et al. Brain-to-heart cholinergic synapse-calcium signaling mediates ischemic stroke-induced atrial fibrillation. THERANOSTICS. 2024 Oct;14(17):6625 IF ;Mouse. 39479451
- **[IF=5.753]** Xue Wang. et al. The intact parasympathetic nerve promotes submandibular gland regeneration through ductal cell proliferation. 2021 Jun 07 WB ;Rat. 34101282
- **[IF=3.73]** Chen, Bing, et al. "An ENU-Induced Mutation of Nrg1 Causes Dilated Pupils and a Reduction in Muscarinic

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Receptors in the Sphincter Pupillae." PloS one 6.9 (2011): e25176. IHC ;="Mouse". 21949880

- **[IF=2.624]** Liyang Tong. et al. Topical bendazol inhibits experimental myopia progression and decreases the ocular accumulation of HIF - 1 $\alpha$  protein in young rabbits. Ophthal Physl Opt. 2020 Sep;40(5):567-576 WB ;Rat. 32839973
- **[IF=3.448]** Huang N et al. Chrm3 protects against acinar cell necrosis by stabilizing caspase - 8 expression in severe acute pancreatitis mice model. J Cell Biochem. 2019 Nov 6. WB,IF ;Mouse. 31692054