

**BP159S****Polyclonal Antibody to Muscarinic acetylcholine receptor M3 (580-589) - Azide Free**

<b>Alternate names:</b>	CHRM3
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	This receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Expression of this receptor has been reported in brain, eye, and heart. ESTs have been isolated from brain, colon, fetus, lung, and prostate libraries.
<b>Uniprot ID:</b>	<a href="#">P20309</a>
<b>NCBI:</b>	<a href="#">NP_000731.1</a>
<b>GeneID:</b>	<a href="#">1131</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide M3 (580-589) covalently attached to a carrier protein.
<b>Format:</b>	<b>State:</b> Lyophilized neat serum. <b>Reconstitution:</b> Restore with 0.1 ml PBS containing 10 mg/ml BSA or with additional buffer for more dilute antibody.
<b>Applications:</b>	<b>Immunocytochemical:</b> this product has been found to stain PLP fixed rat brain sections known to express the muscarinic M3 receptor using ABC techniques at a dilution of 1:2,500. <b>Western immunoblotting:</b> successful by using whole rat brain homogenate at a dilution of 1:500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Specific for the C-term of the M3 receptor (580-589): 100%. Crossreactivity to full receptor 70%; M1 (451-460), M2 (457-466), M4 (469-478) and M5 (519-531) < 0.01%. <b>Species:</b> Human and rat. Other species not tested.
<b>Storage:</b>	<b>Lyophilized:</b> Store at 2-8°C (preferably in a dessicator). <b>Reconstituted:</b> Aliquot and store at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.