



# Anti-CHRM1 monoclonal antibody (DCABH-11009)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</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 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.
<b>Immunogen</b>	A synthetic peptide of human CHRM1 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CHRM1 cholinergic receptor, muscarinic 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CHRM1
<b>Synonyms</b>	CHRM1; cholinergic receptor, muscarinic 1; muscarinic acetylcholine receptor M1; acetylcholine receptor; muscarinic 1; acetylcholine receptor, muscarinic 1; M1; HM1; M1R; MGC30125;
<b>Entrez Gene ID</b>	<a href="#">1128</a>
<b>Protein Refseq</b>	<a href="#">NP_000729</a>
<b>UniProt ID</b>	<a href="#">P11229</a>
<b>Chromosome Location</b>	11q12-q13
<b>Pathway</b>	Amine ligand-binding receptors, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Cholinergic synapse, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem.
<b>Function</b>	G-protein coupled acetylcholine receptor activity; G-protein coupled receptor activity; drug binding; phosphatidylinositol phospholipase C activity; receptor activity; signal transducer activity;