



Anti-CHRM3 monoclonal antibody (DCABH-11010)

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

PRODUCT INFORMATION

Antigen Description	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.
----------------------------	---

Immunogen	A synthetic peptide of human CHRM3 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CHRM3 cholinergic receptor, muscarinic 3 [Homo sapiens]
Official Symbol	CHRM3
Synonyms	CHRM3; cholinergic receptor, muscarinic 3; muscarinic acetylcholine receptor M3; acetylcholine receptor; muscarinic 3; m3 muscarinic receptor; acetylcholine receptor, muscarinic 3; HM3; EGBRS;
Entrez Gene ID	1131
Protein Refseq	NP_000731
UniProt ID	A0A024R3S2
Chromosome Location	1q41-q44
Pathway	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.
Function	G-protein coupled acetylcholine receptor activity; G-protein coupled receptor activity; acetylcholine binding; drug binding; phosphatidylinositol phospholipase C activity; receptor activity; signal transducer activity;