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Rabbit Anti-CHRM1/M-AChR M1 antibody

SL21484R

Product Name:	CHRM1/M-AChR M1
Chinese Name:	毒蕈碱型乙酰胆碱受体M1抗体
Alias:	muscarinic acetylcholine receptor; M-AChR M1; Muscarinic Acetylcholine Receptor 1;cholinergic receptor, muscarinic 1; Chrm1; Chrm-1; M1; M1R; Muscarinic Acetylcholine receptor M1; Cholinergic receptor muscarinic 1; CHRM 1; CHRM1; HM 1; HM1; M1; M1 muscarinic cholinergic receptor; MGC30125; Muscarinic acetylcholine receptor M1; Acetylcholine receptor(M1).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CHRM1/M-AChR M1:281-380/460<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jul 2008].

Function:
The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.

Subunit:
Interacts with GPRASP2.

Subcellular Location:
Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.

Similarity:
Belongs to the G-protein coupled receptor 1 family. Muscarinic acetylcholine receptor subfamily. CHRM1 sub-subfamily.

SWISS:
P11229

Gene ID:
1128

Database links:
1128Entrez Gene: 1128 Human

Entrez Gene: 12669 Mouse

Entrez Gene: 25229 Rat

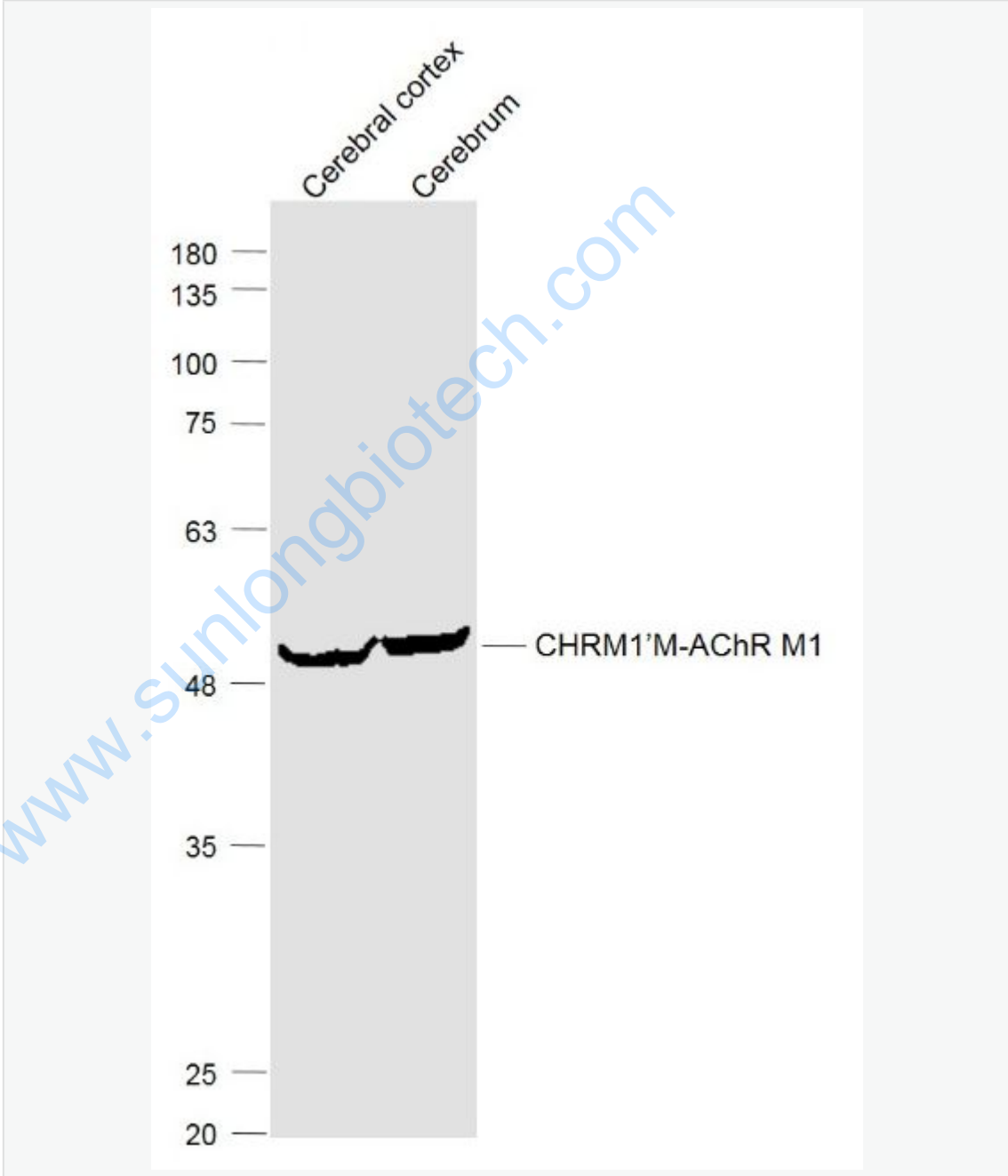
Omim: 118510 Human

SwissProt: P11229 Human

SwissProt: P12657 Mouse

SwissProt: P08482 Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. AChR M1 毒蕈碱型乙酰胆碱受体M1,属于G protein-coupled receptor家族成员，主要分布于中枢神经系统和周围神经系统，乙酰胆碱与受体结合后诱导其功能：抑制酰苷酸环化酶、降解磷酸肌醇、膜钾离子通道开放.
Picture:	 Sample:

	Cerebrum (Mouse) Lysate at 40 ug Cerebral cortex (Mouse) Lysate at 40 ug Primary: Anti-CHRM1'M-AChR M1 (SL21484R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 kD