

Mouse Monoclonal Antibody to CHRNA4

Catalogue Number	sAP-1583
Target Molecule	Name: CHRNA4 Aliases: EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4 MW: 70kDa Entrez Gene ID: 1137
Description	This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. Alternative splicing results in multiple transcript variants.
Immunogen	Purified recombinant fragment of human CHRNA4 (AA: extra 29-242) expressed in E. Coli.
Reactive Species	Human;
Clone	MM7B4H1
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: N to A; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Epilepsy Res. 2014 Dec;108(10):1927-31.2.J Pharmacol Exp Ther. 2014 Mar;348(3):410-20.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**