

ARG58425 anti-CHRNE antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHRNE
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHRNE
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 409-443 of Human CHRNE.
Conjugation	Un-conjugated
Alternate Names	FCCMS; CMS1E; CMS1D; SCCMS; CMS2A; Acetylcholine receptor subunit epsilon; CMS4B; CMS4C; ACHRE; CMS4A

Application Instructions

Application table	Application	Dilution
	FACS	1:25
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human skeletal muscle	

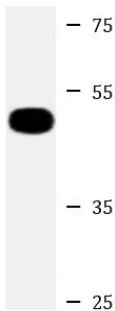
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CHRNE
Gene Full Name	cholinergic receptor, nicotinic, epsilon (muscle)
Background	Acetylcholine receptors at mature mammalian neuromuscular junctions are pentameric protein complexes composed of four subunits in the ratio of two alpha subunits to one beta, one epsilon, and one delta subunit. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. Mutations in the epsilon subunit are associated with congenital myasthenic syndrome. [provided by RefSeq, Sep 2009]
Function	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. [UniProt]
Calculated Mw	55 kDa

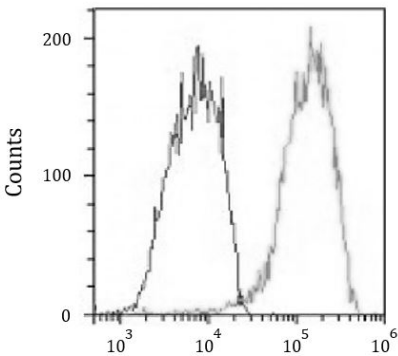
Images



Human skeletal muscle

ARG58425 anti-CHRNE antibody WB image

Western blot: 20 µg of Human skeletal muscle lysate stained with ARG58425 anti-CHRNE antibody at 1:2000 dilution.



ARG58425 anti-CHRNE antibody FACS image

Flow Cytometry: HepG2 cells were fixed with 2% paraformaldehyde (10 min). The cells were then incubated in 2% BSA to block non-specific protein-protein interactions and stained with ARG58425 anti-CHRNE antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by incubation with DyLight® 488 labelled secondary antibody. Isotype control antibody (left histogram) was Rabbit IgG1 (1 µg/10^6 cells) used under the same conditions. Acquisition of >10000 events was performed.