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CHRNE Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22287c

Product Information

Application	WB, FC, E
Primary Accession	Q04844
Other Accession	P20782, P09660
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56765
Calculated MW	54697

Additional Information

Gene ID	1145
Other Names	Acetylcholine receptor subunit epsilon, CHRNE, ACHRE
Target/Specificity	This CHRNE antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 409-443 amino acids from the Central region of human CHRNE.
Dilution	WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CHRNE Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHRNE (HGNC:1966)
Synonyms	ACHRE
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.

Cellular Location Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

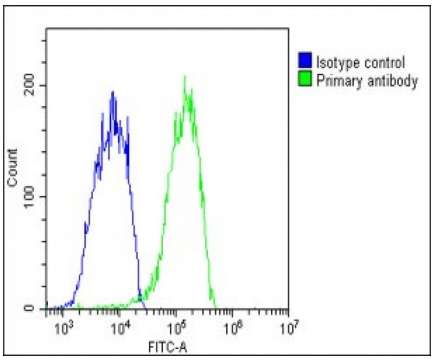
Background

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.

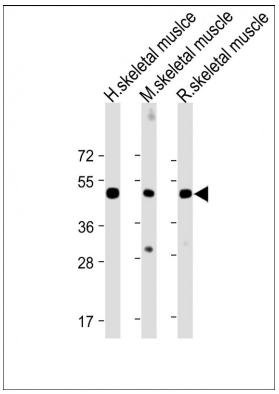
References

Beeson D.M.W.,et al.Eur. J. Biochem. 215:229-238(1993).
Abicht A.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gomez C.M.,et al.Neurology 45:982-985(1995).
Ohno K.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:758-762(1995).

Images



Overlay histogram showing HepG2 cells stained with AP22287c(green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22287c, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



All lanes : Anti-CHRNE Antibody (Center) at 1:2000 dilution Lane 1: Human skeletal muslce lysate Lane 2: Mouse skeletal muscle lysate Lane 3: Rat skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.