

CHRNE Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22287c

Specification

CHRNE Antibody (Center) - Product Information

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

CHRNE Antibody (Center) - 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.

CHRNE Antibody (Center) - 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.

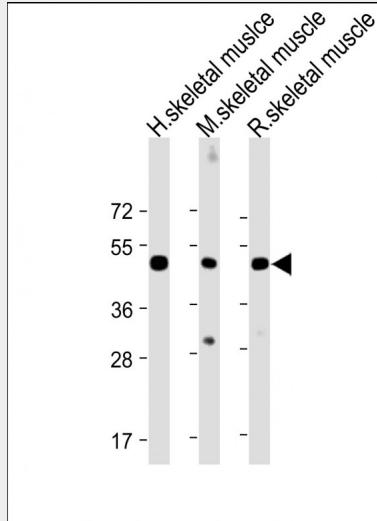
Cellular Location

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

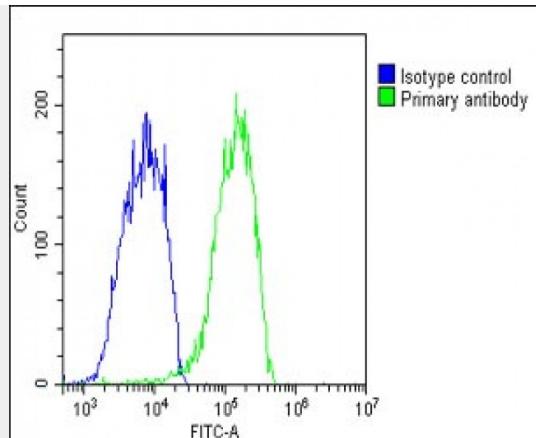
CHRNE Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CHRNE Antibody (Center) - Images

All lanes : Anti-CHRNE Antibody (Center) at 1:2000 dilution Lane 1: Human skeletal muscle 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.



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

CHRNE Antibody (Center) - 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.

CHRNE Antibody (Center) - References

Beeson D.M.W.,et al.Eur. J. Biochem. 215:229-238(1993).
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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).