

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

---

**CHRNE Antibody (Center) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">Q04844</a>
Other Accession	<a href="#">P20782</a> , <a href="#">P09660</a>
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

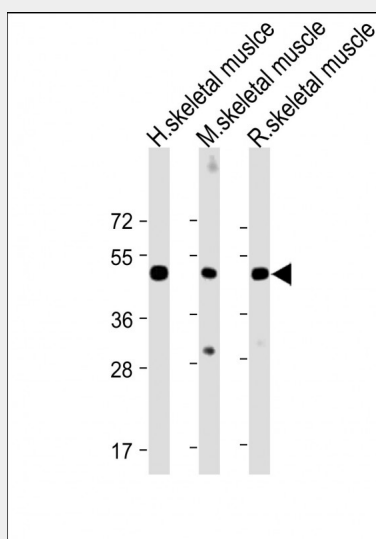
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

## CHRNE Antibody (Center) - Protocols

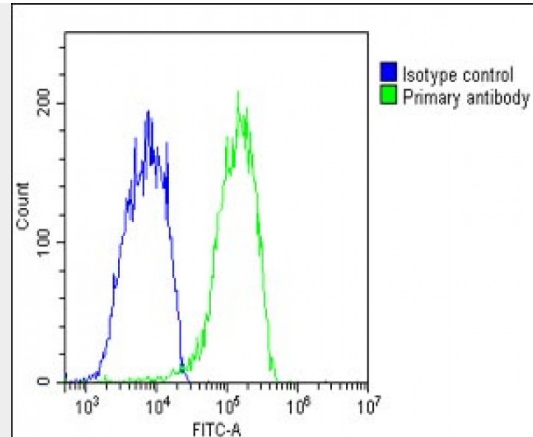
Provided below are standard protocols that you may find useful for product applications.

- [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 µg/1x10<sup>6</sup> 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).
- 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).