

CHRND Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11657c**Specification**

CHRND Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	Q07001
Other Accession	NP_000742.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58895
Antigen Region	168-196

CHRND Antibody (Center) - Additional Information**Gene ID** 1144**Other Names**

Acetylcholine receptor subunit delta, CHRND, ACHRD

Target/Specificity

This CHRND antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-196 amino acids from the Central region of human CHRND.

Dilution

WB~~1:1000

FC~~1:10~50

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

CHRND Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHRND Antibody (Center) - Protein Information**Name** CHRND ([HGNC:1965](#))**Synonyms** ACHRD

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

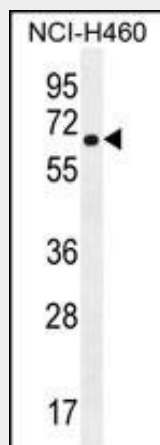
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

CHRND Antibody (Center) - Protocols

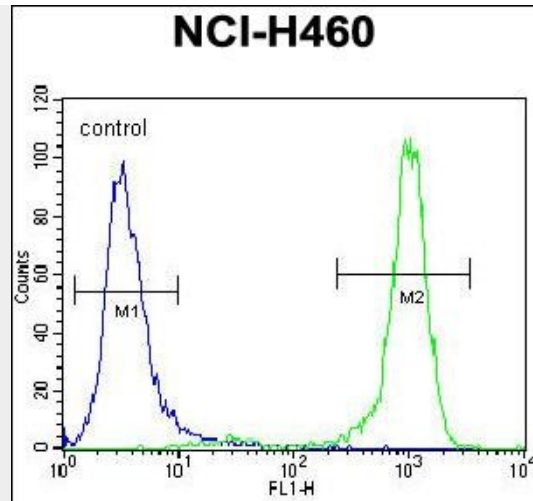
Provided below are standard protocols that you may find useful for product applications.

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

CHRND Antibody (Center) - Images



CHRND Antibody (Center) (Cat. #AP11657c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CHRND antibody detected the CHRND protein (arrow).



CHRND Antibody (Center) (Cat. #AP11657c) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CHRND Antibody (Center) - Background

The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

CHRND Antibody (Center) - References

Saccone, N.L., et al. Genes Brain Behav. 9(7):741-750(2010)
 Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)
 Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :
 Saccone, N.L., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (4), 453-466 (2009) :
 Baranzini, S.E., et al. Hum. Mol. Genet. 18(4):767-778(2009)