

# CHRND Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11657c

## Product Information

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Application	WB, FC, E
Primary Accession	<a href="#">Q07001</a>
Other Accession	<a href="#">NP_000742.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31740
Calculated MW	58895
Antigen Region	168-196

## Additional Information

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

## Protein Information

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Name	CHRND ( <a href="#">HGNC:1965</a> )
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

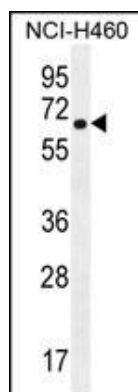
## Background

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.

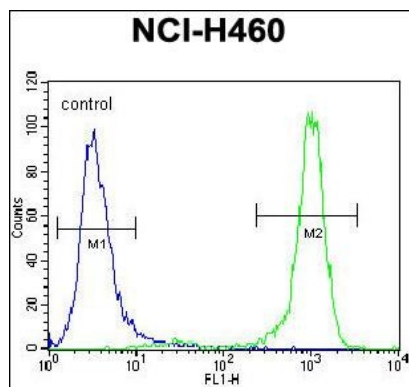
## References

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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) :  
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## 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.