

CHRNA5 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14006c

Specification

CHRNA5 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P30532
Other Accession	Q8SPU7 , NP_000736.2
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53054
Antigen Region	187-216

CHRNA5 Antibody (Center) - Additional Information

Gene ID 1138

Other Names

Neuronal acetylcholine receptor subunit alpha-5, CHRNA5, NACHRA5

Target/Specificity

This CHRNA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the Central region of human CHRNA5.

Dilution

WB~~1:1000

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

CHRNA5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHRNA5 Antibody (Center) - Protein Information

Name CHRNA5

Synonyms NACHRA5

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

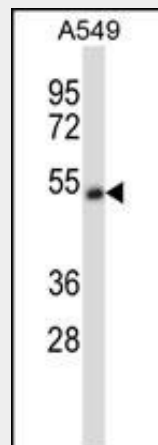
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

CHRNA5 Antibody (Center) - Protocols

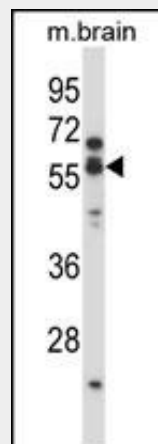
Provided below are standard protocols that you may find useful for product applications.

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

CHRNA5 Antibody (Center) - Images



CHRNA5 Antibody (Center) (Cat. #AP14006c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the CHRNA5 antibody detected the CHRNA5 protein (arrow).



CHRNA5 Antibody (Center) (Cat. #AP14006c) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the CHRNA5 antibody detected the CHRNA5 protein (arrow).

CHRNA5 Antibody (Center) - Background

The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).

CHRNA5 Antibody (Center) - References

Wessel, J., et al. *Neuropsychopharmacology* 35(12):2392-2402(2010)
Erlich, P.M., et al. *Hum. Genet.* 128(5):491-499(2010)
Shimada, M., et al. *Hum. Genet.* 128(4):433-441(2010)
Falvella, F.S., et al. *J. Natl. Cancer Inst.* 102(17):1366-1370(2010)
Li, M.D., et al. *PLoS ONE* 5 (8), E12183 (2010) :