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CHRNA10 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12186c

Specification

CHRNA10 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9GZZ6
Other Accession	Q9JLB5, NP_065135.2
Reactivity	**Human**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**49705**
Antigen Region	**179-206**

CHRNA10 Antibody (Center) - Additional Information

Gene ID 57053

Other Names
Neuronal acetylcholine receptor subunit alpha-10, Nicotinic acetylcholine receptor subunit alpha-10, NACHR alpha-10, CHRNA10, NACHRA10

Target/Specificity
This CHRNA10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-206 amino acids from the Central region of human CHRNA10.

Dilution
WB~~1:1000
IHC-P~~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
CHRNA10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHRNA10 Antibody (Center) - Protein Information

Name CHRNA10

Synonyms NACHRA10

Function Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion- conducting channel across the plasma membrane. The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane. In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma.

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

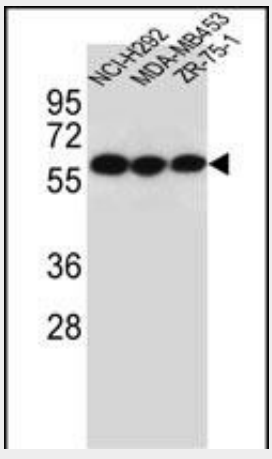
Tissue Location
Expressed in inner-ear tissue, tonsil, immortalized B-cells, cultured T-cells and peripheral blood lymphocytes

CHRNA10 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 Cytomety
- Cell Culture

CHRNA10 Antibody (Center) - Images



CHRNA10 Antibody (Center) (Cat. #AP12186c) western blot analysis in NCI-H292,MDA-MB453,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the CHRNA10 antibody detected the CHRNA10 protein (arrow).

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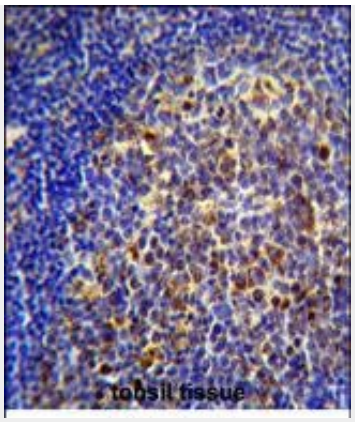

CHRNA10 Antibody (Center) (Cat. #AP12186c)immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CHRNA10 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

CHRNA10 Antibody (Center) - Background

CHRNA10 is an ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane. In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma.

CHRNA10 Antibody (Center) - References

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Rigbi, A., et al. Pharmacogenomics J. (2010) In press :
Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009)
Saccone, N.L., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (4), 453-466 (2009) :