

CHRNA10 Antibody (aa394-443)
Rabbit Polyclonal Antibody
Catalog # ALS16674**Specification**

CHRNA10 Antibody (aa394-443) - Product Information

Application	IHC, WB
Primary Accession	O9GZZ6
Other Accession	57053
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	49705

CHRNA10 Antibody (aa394-443) - Additional Information**Gene ID** 57053**Other Names**

CHRNA10, AChR-alpha10, NACHRA10, NACHR alpha-10

Target/Specificity

CHRNA10 Antibody detects endogenous levels of total CHRNA10 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

CHRNA10 Antibody (aa394-443) is for research use only and not for use in diagnostic or therapeutic procedures.

CHRNA10 Antibody (aa394-443) - 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

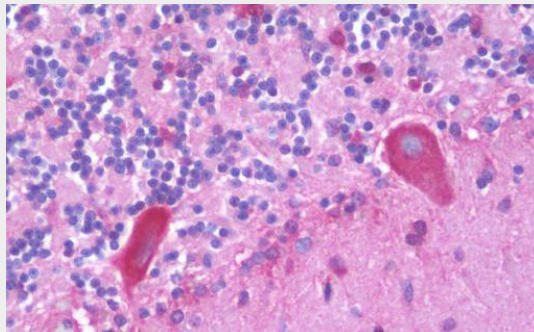
Volume

50 µl

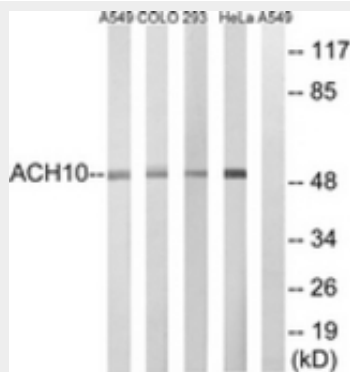
CHRNA10 Antibody (aa394-443) - Protocols

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](#)

CHRNA10 Antibody (aa394-443) - Images

Anti-CHRNA10 antibody IHC staining of human brain, cerebellum.



Western blot of extracts from HeLa/293/COLO/A549 cells, using CHRNA10 Antibody.

CHRNA10 Antibody (aa394-443) - Background

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 (aa394-443) - References

Sgard F.,et al.Mol. Pharmacol. 61:150-159(2002).
Lustig L.R.,et al.Genomics 73:272-283(2001).
Vandenberk I.,et al.Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
Peng H.,et al.Life Sci. 76:263-280(2004).