

Product datasheet for **AP50907PU-N**

CHRNA10 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 186-214 amino acids from the Central region of human CHRNA10
Specificity:	This antibody reacts to CHRNA10.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	49705 Da
Gene Name:	cholinergic receptor nicotinic alpha 10 subunit
Database Link:	Entrez Gene 57053 Human Q9GZZ6



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Background:

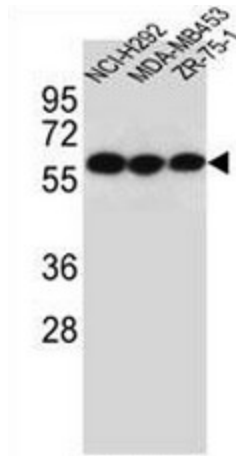
CHRNA10 is an ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to a range of divalent 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.

Synonyms:

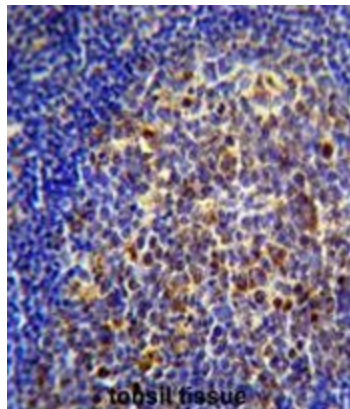
NACHRA10, NACHR alpha-10

Protein Families:

Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Product images:

CHRNA10 Antibody (Center) 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).



CHRNA10 Antibody (Center) 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.