ARG58421
anti-CHRNA10 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHRNA10
Tested Reactivity	Hu
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHRNA10
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 179-206 (Center) of Human CHRNA10.
Conjugation	Un-conjugated
Alternate Names	NACHR alpha-10; Neuronal acetylcholine receptor subunit alpha-10; Nicotinic acetylcholine receptor subunit alpha-10

Application Instructions

Application table

Application	Dilution
IHC-P	1:10 - 1:50
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: NCI-H292

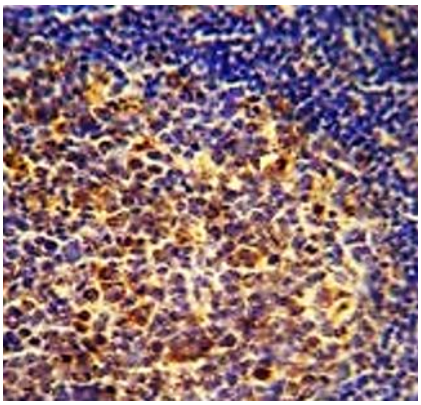
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

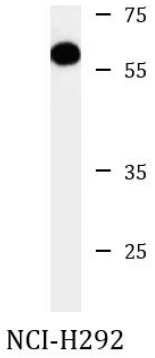
Gene Symbol	CHRNA10
Gene Full Name	cholinergic receptor, nicotinic, alpha 10 (neuronal)
Function	Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting 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. [UniProt]
Calculated Mw	50 kDa
Cellular Localization	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein Cell membrane; Multi-pass membrane protein. [UniProt]

Images



ARG58421 anti-CHRNA10 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with ARG58421 anti-CHRNA10 antibody.



ARG58421 anti-CHRNA10 antibody WB image

Western blot: 35 µg of NCI-H292 cell lysate stained with ARG58421 anti-CHRNA10 antibody.