

## CHRNA10 polyclonal antibody

Catalog: BS65348

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

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., miscellaneous: The hetero-oligomeric receptor composed of CHRNA9 and CHRNA10 has an atypical pharmacological profile, binding several non-nicotinic ligands including strychnine (a glycine receptor antagonist) and atropine (a muscarinic acetylcholine receptor antagonist)., similarity: Belongs to the ligand-gated ionic channel (TC 1.A.9) family., subunit: Forms hetero-oligomeric channels in conjunction with CHRNA9. The native outer hair cell receptor may be composed of CHRNA9-CHRNA10 hetero-oligomers., tissue specificity: Expressed in inner-ear tissue, tonsil, immortalized B-cells, cultured T-cells and peripheral blood lymphocytes.,

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Molecular Weight:

~50 kDa

### Swiss-Prot:

Q9GZZ6

### Purification & Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Applications:

Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

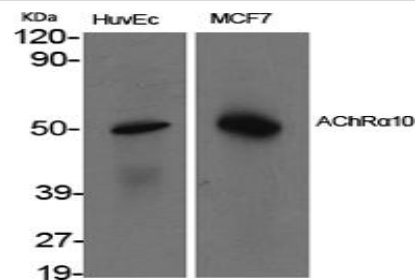
### Storage & Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

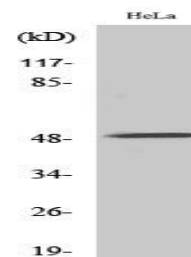
### Specificity:

AChR $\alpha$ 10 Polyclonal Antibody detects endogenous levels of AChR $\alpha$ 10 protein.

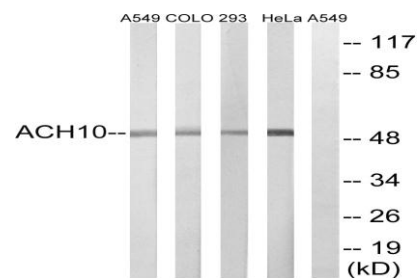
### DATA:



Western Blot analysis of various cells using AChR $\alpha$ 10 Polyclonal Antibody



Western Blot analysis of A549 cells using AChR $\alpha$ 10 Polyclonal Antibody



Western blot analysis of lysates from HeLa, 293, COLO, and A549

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

cells, using CHRNA10 Antibody. The lane on the right is blocked with the synthesized peptide.

**Note:**

For research use only, not for use in diagnostic procedure.

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