




Product datasheet

Anti-CHRNA10 antibody ab234767

2 References 3 Images

Overview

<b>Product name</b>	Anti-CHRNA10 antibody
<b>Description</b>	Rabbit polyclonal to CHRNA10
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human CHRNA10 aa 25-240. Sequence:</p> <p>AEGRLALKLFRDLFANYTSALRPVADTDQTLNVTLEVTLS          QIIDMDERNQ          VLTLYLWIRQEWTDAYLRWDPNAYGGLDAIRIPSSLVWRP          DIVLYNKADA          QPPGSASTNVVLRHDGAVRWDAPAIRSSCRVDVAAFPF          DAQHCGLTFGS          WTHGGHQLDVRPRGAAASLADFVENVEWRVLGMPARR          RVLTYGCCSEYP DVTFTLLLRRAAAYV</p> <p>Database link: <a href="#">Q9GZZ6</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	WB: Jurkat and A549 whole cell lysate. IHC-P: Human tonsil and thymus tissue.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p>

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab234767** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

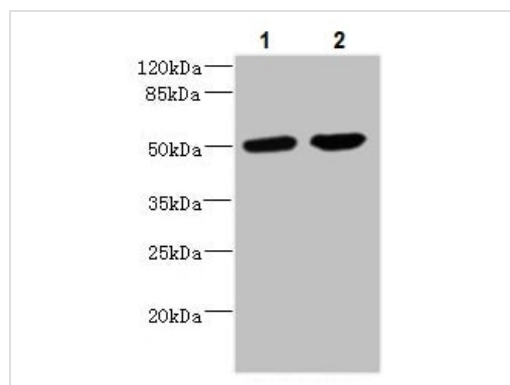
Application	Abreviews	Notes
IHC-P		1/20 - 1/200.
WB		1/1000 - 1/5000. Predicted molecular weight: 50 kDa.

## Target

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<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed in inner-ear tissue, tonsil, immortalized B-cells, cultured T-cells and peripheral blood lymphocytes.
<b>Sequence similarities</b>	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-10/CHRNA10 sub-subfamily.
<b>Cellular localization</b>	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## Images



Western blot - Anti-CHRNA10 antibody (ab234767)

**All lanes :** Anti-CHRNA10 antibody (ab234767) at 1/1000 dilution

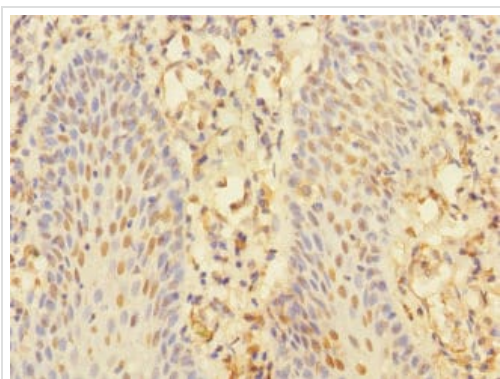
**Lane 1 :** Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

**Lane 2 :** A549 (human lung carcinoma cell line) whole cell lysate

### Secondary

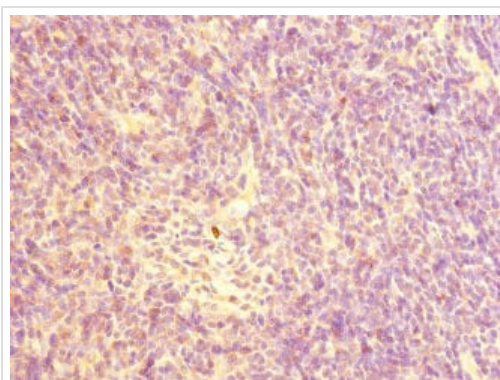
**All lanes :** Goat polyclonal to rabbit IgG at 1/10000 dilution

**Predicted band size:** 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CHRNA10 antibody (ab234767)

Paraffin-embedded human tonsil tissue stained for CHRNA10 using ab234767 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CHRNA10 antibody (ab234767)

Paraffin-embedded human thymus tissue stained for CHRNA10 using ab234767 at 1/100 dilution in immunohistochemical analysis.

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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