


## Product datasheet

# Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody ab151580

2 Images

### Overview

<b>Product name</b>	Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody
<b>Description</b>	Rabbit polyclonal to Nicotinic Acetylcholine Receptor alpha 3/CHRNA3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow 
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Molt-4 cell lysate; A431 cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151580 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
WB		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
ICC/IF		1/100 - 1/1000.

## Target

### Function

After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

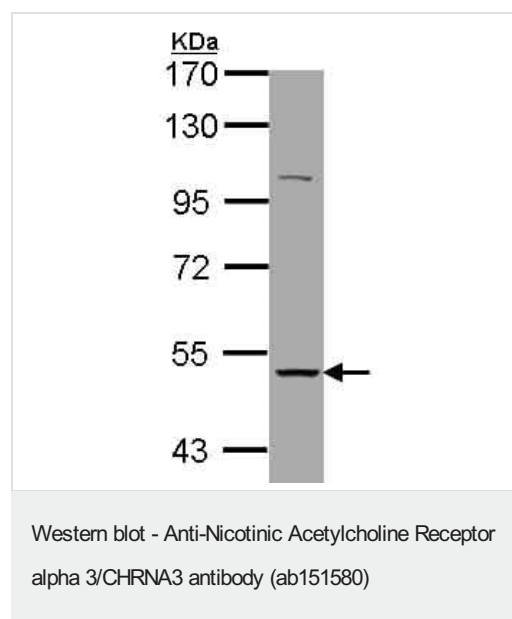
### Sequence similarities

Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-3/CHRNA3 sub-subfamily.

### Cellular localization

Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## Images



Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody (ab151580) at 1/1000 dilution + Molt-4 cell lysate at 30 µg

**Predicted band size:** 57 kDa

7.5% SDS PAGE



Immunofluorescence analysis of methanol-fixed A431 cells labeling Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 with ab151580 1/500 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody (ab151580)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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