


## Product datasheet

# Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody ab110801

[1 References](#) [1 Image](#)

### 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
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Macaque monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 aa 350-450 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab168251</a> )
<b>Positive control</b>	This antibody gave a positive signal in Human Spinal Cord tissue lysate.
<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS  Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

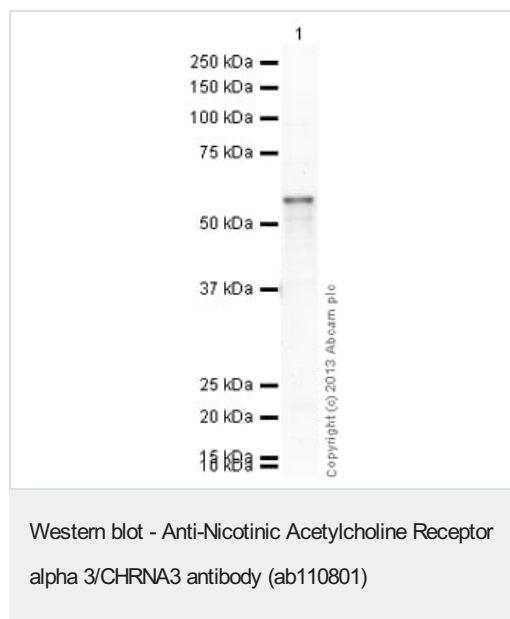
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab110801 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).

## Target

<b>Function</b>	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.
<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-3/CHRNA3 sub-subfamily.
<b>Cellular localization</b>	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## Images



Anti-Nicotinic Acetylcholine Receptor alpha 3/CHRNA3 antibody (ab110801) at 1 µg/ml + Human spinal cord tissue lysate - total protein (**ab29188**) at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

**Additional bands at:** 51 kDa (possible cleavage fragment)

**Exposure time:** 8 minutes

The band observed at 51 kDa could potentially be a cleaved form of v due to the presence of a 31 amino acid signal peptide. This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab110801 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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

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