abcam

Product datasheet

Anti-Nicotinic Acetylcholine Receptor alpha 3 antibody ab103956

4 References 2 Images

Overview

Product name	Anti-Nicotinic Acetylcholine Receptor alpha 3 antibody
Description	Rabbit polyclonal to Nicotinic Acetylcholine Receptor alpha 3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 30-60 of Human Nicotinic Acetylcholine Receptor alpha 3, conjugated to KLH.
Positive control	CEM cell line lysate; Human brain tissue

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Immunogen affinity purified
Purification notes	This antibody is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab103956** in the following tested applications.

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

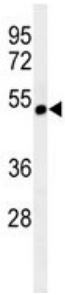
Application	Abreviews	Notes
WB		1/100 - 1/500. Predicted molecular weight: 57 kDa.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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.

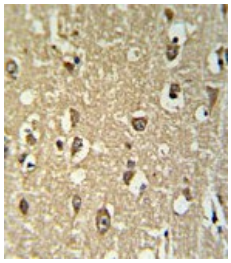
Images



Western blot - Anti-Nicotinic Acetylcholine Receptor alpha 3 antibody (ab103956)

Anti-Nicotinic Acetylcholine Receptor alpha 3 antibody (ab103956) at 1/100 dilution + CEM cell line lysate at 35 µg

Predicted band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nicotinic Acetylcholine Receptor alpha 3 antibody (ab103956)

ab103956, at a 1/50 dilution, staining Nicotinic Acetylcholine Receptor alpha 3 in formalin fixed and paraffin embedded Human brain tissue by Immunochemistry. Developed using peroxidase conjugated secondary antibody and DAB staining.

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