abcam

Product datasheet

Anti-alpha 2C Adrenergic Receptor/ADRA2C antibody ab46536

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Overview

Product name	Anti-alpha 2C Adrenergic Receptor/ADRA2C antibody
Description	Rabbit polyclonal to alpha 2C Adrenergic Receptor/ADRA2C
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide: GAEGGAGGADGQGAGP , corresponding to amino acids 309-324 of Human alpha 2C Adrenergic Receptor Run BLAST with Run BLAST with
Positive control	Human brain lysates; rat ventral spinal cord.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our Abpromise guarantee covers the use of ab46536 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	★★★★★ (2)	1/500 - 1/1000. Predicted molecular weight: 50 kDa. Despite the weak amino acid homology, this antibody works in mouse and rat in IHC. However, we have not tested it by Western blot for mouse reactivity.
IHC-P		Use at an assay dependent concentration.

Target

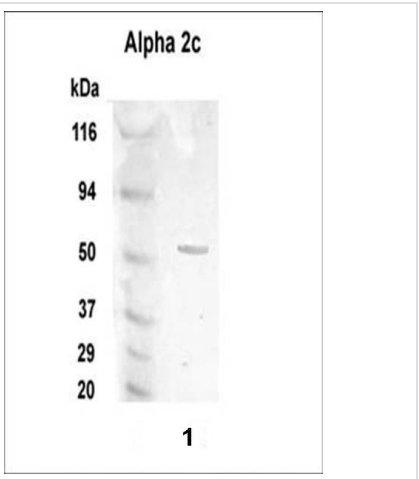
Relevance

The alpha 2C Adrenergic Receptor controls the release of neurotransmitter from central adrenergic neurons and from sympathetic nerves in the heart. This receptor also plays a role in cognitive and behavioral function. Two variants are produced by alternative splicing. Alpha 2C Adrenergic Receptor has been reported extensively in the brain. Blood, corpus cavermosum, kidney, and heart tissues have also been reported to express the protein.

Cellular localization

Cell membrane; Multi-pass membrane protein.

Images



Western blot - Anti-alpha 2C Adrenergic Receptor antibody (ab46536)

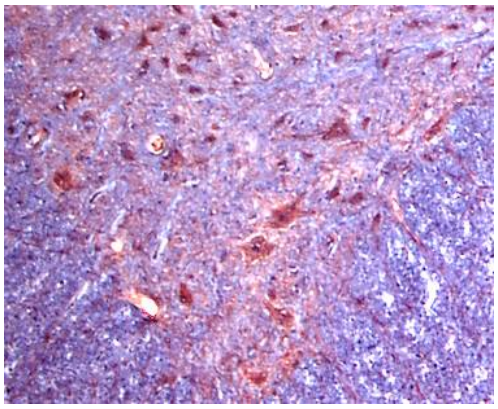
Anti-alpha 2C Adrenergic Receptor/ADRA2C antibody (ab46536) at 1/1000 dilution + Human brain lysate at 20 µg

Secondary

AP-conjugated antibody at 1/5000 dilution

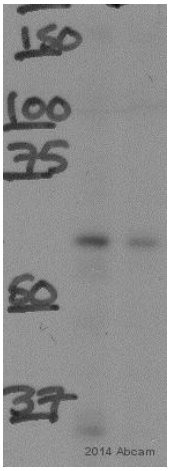
Predicted band size: 50 kDa

Observed band size: 52 kDa



Immunohistochemistry - Anti-alpha 2C Adrenergic Receptor antibody (ab46536)

Staining using ab46536 in rat ventral spinal cord at 1/100 - 1/300 dilution. Detection was done using HRP-AEC staining reagents (red color), and tissues were counterstained with hematoxylin (blue color).



Western blot - Anti-alpha 2C Adrenergic Receptor antibody (ab46536)

This image is courtesy of an anonymous Abreview

All lanes : Anti-alpha 2C Adrenergic Receptor/ADRA2C antibody (ab46536) at 1/1000 dilution

All lanes : Mouse pancreatic neuroendocrine tumor whole tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG monoclonal at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 50 kDa

Exposure time: 10 minutes

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