


# Anti-alpha 2a Adrenergic Receptor antibody ab85570

[6 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-alpha 2a Adrenergic Receptor antibody
<b>Description</b>	Rabbit polyclonal to alpha 2a Adrenergic Receptor
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB <b>Unsuitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Pig 
<b>Immunogen</b>	Synthetic peptide corresponding to Human alpha 2a Adrenergic Receptor aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab102061</a> )
<b>Positive control</b>	Recombinant human alpha 2a Adrenergic Receptor protein ( <a href="#">ab54291</a> ) can be used as a positive control in WB. This antibody gave a positive signal in Human pancreas tissue lysates.
<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 ab85570 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>IHC-P</b>		Use a concentration of 1 µg/ml.
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 49 kDa).

**Application notes** Is unsuitable for ICC/IF.

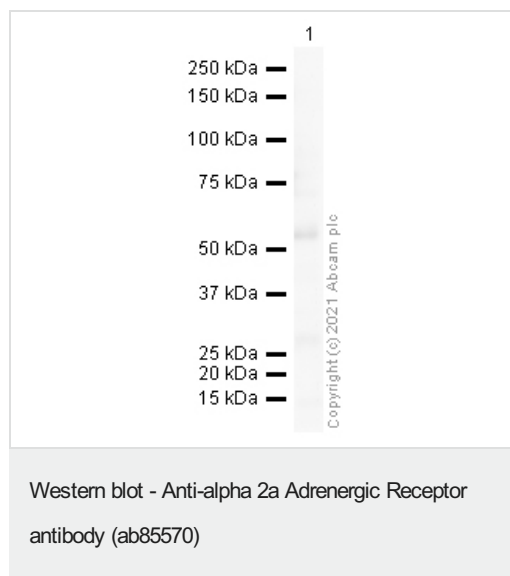
## Target

**Function** Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins. The rank order of potency for agonists of this receptor is oxymetazoline > clonidine > epinephrine > norepinephrine > phenylephrine > dopamine > p-synephrine > p-tyramine > serotonin = p-octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propranolol > alprenolol = pindolol.

**Sequence similarities** Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRA2A sub-subfamily.

**Cellular localization** Cell membrane.

## Images



Anti-alpha 2a Adrenergic Receptor antibody (ab85570) at 2 µg/ml + Human Pancreas at 20 µg

### Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

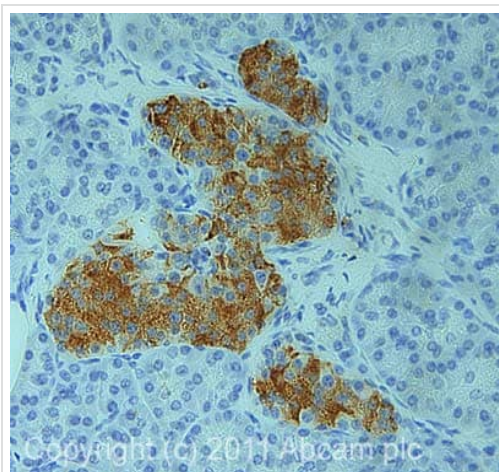
**Predicted band size:** 49 kDa

**Observed band size:** 52 kDa

**Exposure time:** 20 minutes

Blocking buffer: 2% BSA

Gel type: MOPS



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha 2a Adrenergic Receptor antibody (ab85570)

IHC image of alpha 2a Adrenergic Receptor staining in human Pancreas FFPE section, performed on a Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab85570, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX

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

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