# abcam

## Product datasheet

# Anti-alpha 2a Adrenergic Receptor antibody ab85570

6 References 2 图像

概述

免疫原

产品名称 Anti-alpha 2a Adrenergic Receptor抗体

描述 兔多克隆抗体to alpha 2a Adrenergic Receptor

宿主 Rabbit

**适用于:** IHC-P, WB

不适用于: ICC/IF

种属反应性 与反应: Human

预测可用于: Mouse, Rat, Cow, Pig 🔷

Synthetic peptide corresponding to Human alpha 2a Adrenergic Receptor aa 1-100 conjugated to

keyhole limpet haemocyanin. (Peptide available as <u>ab102061</u>)

**阳性**对照 Recombinant human alpha 2a Adrenergic Receptor protein (<u>ab54291</u>) can be used as a positive

control in WB. This antibody gave a positive signal in Human pancreas tissue lysates.

常规说明

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.

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&As

性能

形式 Liquid

存放说明 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.

**存储溶液** 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.

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纯**度** Immunogen affinity purified

 克隆
 多克隆

 同种型
 IgG

#### 应用

### The Abpromise guarantee Abpromise™承诺保证使用ab85570于以下的经测试应用

"应用说明"部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用    | Ab评论 | 说明   |
|-------|------|--|
| IHC-P |      | Use a concentration of 1 µg/ml.  |
| WB    |      | Use a concentration of 1 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 49 kDa). |

应用说明 Is unsuitable for ICC/IF.

#### 靶标

为能

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 > propanolol > alprenolol

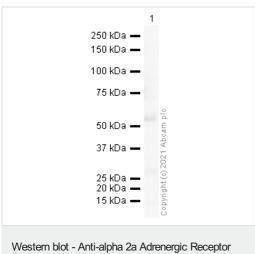
= pindolol.

序列相似性 Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRA2A sub-

subfamily.

细**胞定位** Cell membrane.

#### 图片



Western blot - Anti-alpha 2a Adrenergic Receptor antibody (ab85570)

Anti-alpha 2a Adrenergic Receptor antibody (ab85570) at 2  $\mu$ g/ml + Human Pancreas at 20  $\mu$ g

#### Secondary

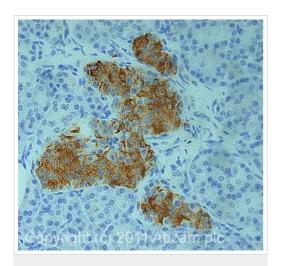
Goat polyclonal to Rabbit lgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

**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 paraffinembedded sections) - Anti-alpha 2a Adrenergic Receptor antibody (ab85570)

IHC image of alpha 2a Adrenergic Receptor staining in human Pancreas FFPE section, performed on a BondTM 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, 1µg/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

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