

Anti-AACT antibody ab9374

[1 References](#) [4 图像](#)

概述

产品名称	Anti-AACT抗体
描述	兔多克隆抗体to AACT
宿主	Rabbit
经测试应用	适用于: IHC-P, Sandwich ELISA, WB
种属反应性	与反应: Human 预测可用于: Mammals  不与反应: Mouse
免疫原	Full length native protein (purified) corresponding to AACT. Alpha-1-antichymotrypsin isolated from human serum.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.3 Constituents: PBS, 0.01425% Magnesium chloride, 0.00154% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.01% BSA
纯度	Protein A purified
克隆	多克隆
同种型	IgG
轻链类型	unknown

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab9374于以下的经测试应用

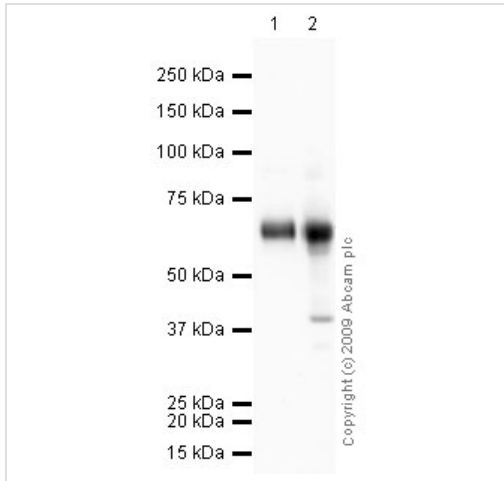
“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/25 - 1/50. ABC method.
Sandwich ELISA		Use at an assay dependent concentration. For sandwich ELISA, use this antibody as Detection at an assay dependent concentration with Mouse monoclonal to AACT (ab54693) as Capture.
WB		Use at an assay dependent concentration. Detects a band of approximately 70 kDa (predicted molecular weight: 48 kDa). Assay Dependent

靶标

功能	Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2.
组织特异性	Plasma. Synthesized in the liver. Like the related alpha-1-antitrypsin, its concentration increases in the acute phase of inflammation or infection. Found in the amyloid plaques from the hippocampus of Alzheimer disease brains.
疾病相关	Defects in SERPINA3 may be a cause of chronic obstructive pulmonary disease (COPD) [MIM:107280].
序列相似性	Belongs to the serpin family.
结构域	The reactive center loop (RCL) extends out from the body of the protein and directs binding to the target protease. The protease cleaves the serpin at the reactive site within the RCL, establishing a covalent linkage between the carboxyl group of the serpin reactive site and the serine hydroxyl of the protease. The resulting inactive serpin-protease complex is highly stable.
细胞定位	Secreted.

图片



Western blot - Anti-AACT antibody (ab9374)

All lanes : Anti-AACT antibody (ab9374) at 1 µg/ml

Lane 1 : Human spinal cord tissue lysate - total protein (**ab29188**)

Lane 2 : Human colon tissue lysate - total protein (**ab30051**)

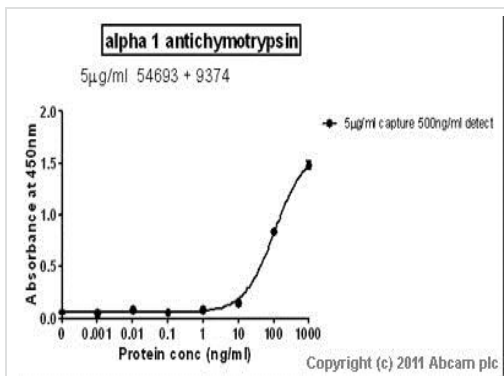
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 48 kDa

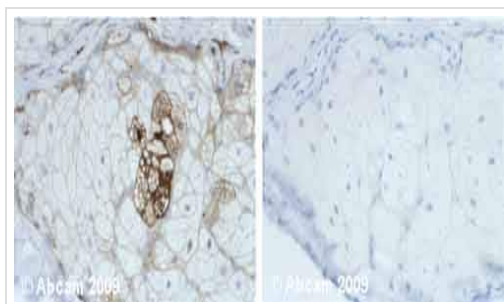
Observed band size: 70 kDa



Sandwich ELISA - Anti-AACT antibody (ab9374)

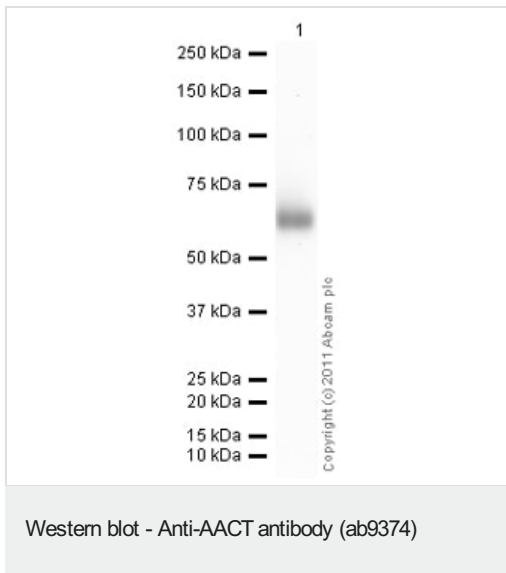
Standard Curve for AACT (Analyte: **AACT protein (Human)**

(ab80517)); dilution range 1pg/ml to 1µg/ml using Capture Antibody **Mouse monoclonal to AACT (ab54693)** at 5µg/ml and Detector Antibody **Rabbit polyclonal to AACT (ab9374)** at 0.5µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AACT antibody (ab9374)

Human normal skin. Staining is mainly membrane-bound and cytoplasmic. Left panel: with primary antibody at 2 ug/ml. Right panel: negative control. Sections were stained using an automated system DAKO Autostainer Plus , at room temperature: sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffers citrate EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H2O2 in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for rabbit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



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