

# Anti-IQGAP1 antibody ab86064

★★★★★ [7 Abreviews](#) [12 References](#) [4 图像](#)

### 概述

产品名称	Anti-IQGAP1抗体
描述	兔多克隆抗体to IQGAP1
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, IP
种属反应性	与反应: Human 预测可用于: Chimpanzee, Ferret, Rhesus monkey, Gorilla, Elephant 
免疫原	Synthetic peptide, corresponding to a region between residues 1 and 50 of human IQGAP1 (NP_003861.1)
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&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab86064 was affinity purified using an epitope specific to IQGAP1 immobilized on solid support
克隆	多克隆
同种型	IgG

### 应用

**The Abpromise guarantee****Abpromise™**承诺保证使用ab86064于以下的经测试应用

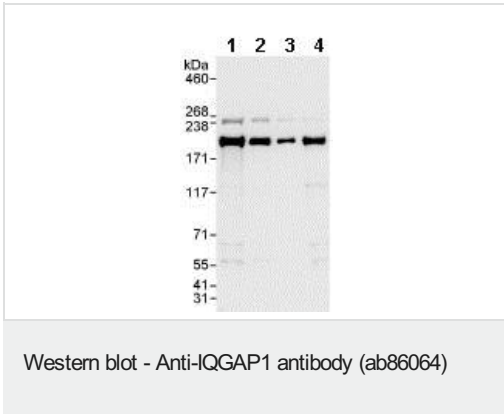
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (3)	1/2000 - 1/10000. Detects a band of approximately 189 kDa (predicted molecular weight: 189 kDa).
IP		Use at 2-5 µg/mg of lysate.

**靶标**

<b>功能</b>	Binds to activated CDC42 but does not stimulate its GTPase activity. It associates with calmodulin. Could serve as an assembly scaffold for the organization of a multimolecular complex that would interface incoming signals to the reorganization of the actin cytoskeleton at the plasma membrane. May promote neurite outgrowth.
<b>组织特异性</b>	Expressed in the placenta, lung, and kidney. A lower level expression is seen in the heart, liver, skeletal muscle and pancreas.
<b>序列相似性</b>	Contains 1 CH (calponin-homology) domain. Contains 4 IQ domains. Contains 1 Ras-GAP domain. Contains 1 WW domain.
<b>结构域</b>	Regions C1 and C2 can either interact with nucleotide-free CDC42, or interact together, depending on the phosphorylation state of Ser-1443. When Ser-1443 is not phosphorylated, C1 and C2 interact, which prevents binding of nucleotide-free CDC42 and promotes binding of GTP-bound CDC42. Phosphorylation of Ser-1443 prevents interaction between C1 and C2, which opens the structure of the C-terminus and allows binding and sequestration of nucleotide-free CDC42 on both C1 and C2.
<b>翻译后修饰</b>	Phosphorylation of Ser-1443 by PKC prevents interaction between C1 and C2, allowing binding of nucleotide-free CDC42. Ser-1443 phosphorylation enhances the ability to promote neurite outgrowth.
<b>细胞定位</b>	Cell membrane.

**图片**



**All lanes :** Anti-IQGAP1 antibody (ab86064) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

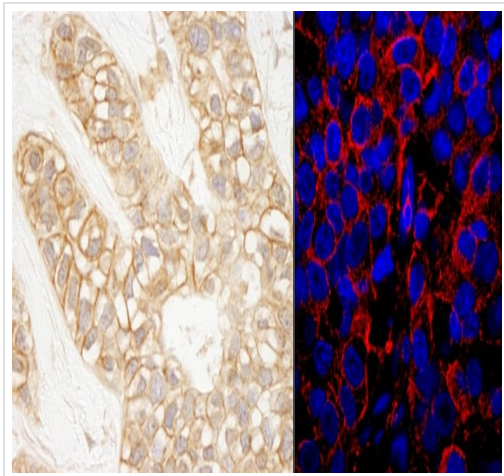
**Lane 4 :** 293T whole cell lysate at 50 µg

**Predicted band size:** 189 kDa

**Observed band size:** 189 kDa

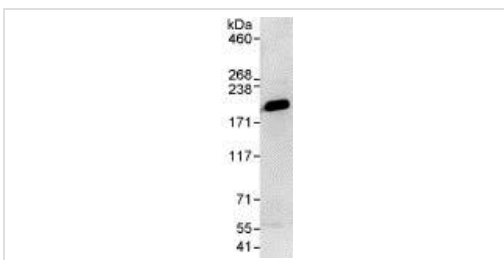
**Additional bands at:** 238 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 10 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling IQGAP1 with ab86064 at 1/1000 (0.2µg/ml) and 1/200 (1µg/ml). Detection: DAB and a DyLight® 594-conjugated goat anti-rabbit IgG (H+L) (1/100).

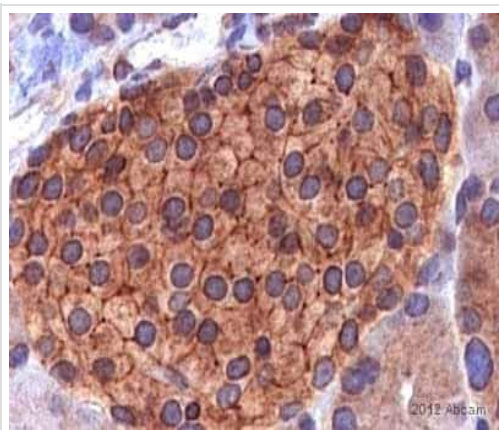
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IQGAP1 antibody (ab86064)



Detection of IQGAP1 by Western Blot of Immunoprecipitate. ab86064 at 0.4µg/ml staining IQGAP1 in HeLa whole cell lysate immunoprecipitated using ab86064 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 10 seconds.

Immunoprecipitation - Anti-IQGAP1 antibody (ab86064)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IQGAP1 antibody (ab86064)

Image courtesy of an anonymous Abreview.

ab86064 staining IQGAP1 in human pancreatic islets by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed in paraformaldehyde and a heat mediated antigen retrieval step was performed using citrate. Samples were then blocked with 5% serum for 1 hour at 20°C and then incubated with ab86064 at a 1/100 dilution for 8 hours at 4°C. The secondary used was a biotin conjugated goat anti-rabbit polyclonal used at a 1/1000 dilution.

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

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