

Anti-IQGAP1 antibody ab86064

★★★★★ [7 Abreviews](#) [12 References](#) [画像数 4](#)

製品の概要

製品名	Anti-IQGAP1 antibody
製品の詳細	Rabbit polyclonal to IQGAP1
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB, IP
種交差性	交差種: Human 交差が予測される動物種: 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)
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
特記事項(精製)	ab86064 was affinity purified using an epitope specific to IQGAP1 immobilized on solid support
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

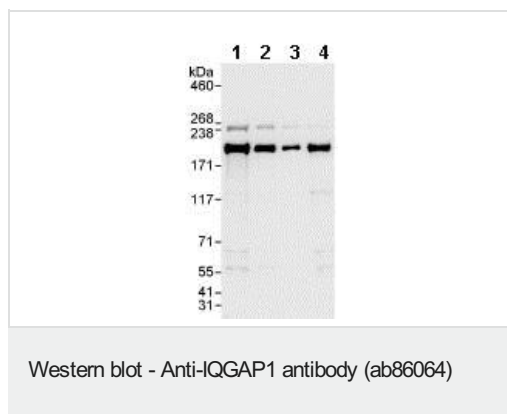
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab86064の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
組織特異性	Expressed in the placenta, lung, and kidney. A lower level expression is seen in the heart, liver, skeletal muscle and pancreas.
配列類似性	Contains 1 CH (calponin-homology) domain. Contains 4 IQ domains. Contains 1 Ras-GAP domain. Contains 1 WW domain.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	Cell membrane.

画像



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

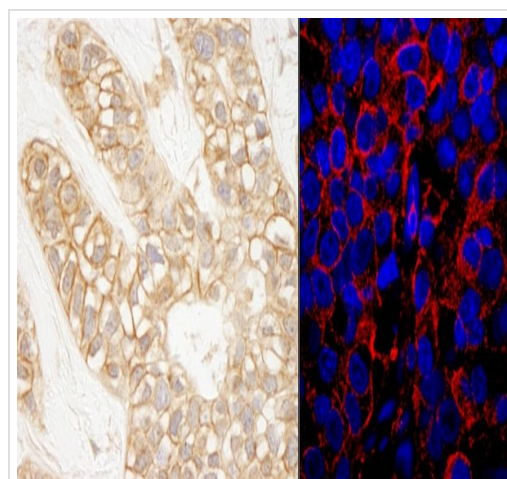
Lane 4 : 293T whole cell lysate at 50 µg

Predicted band size: 189 kDa

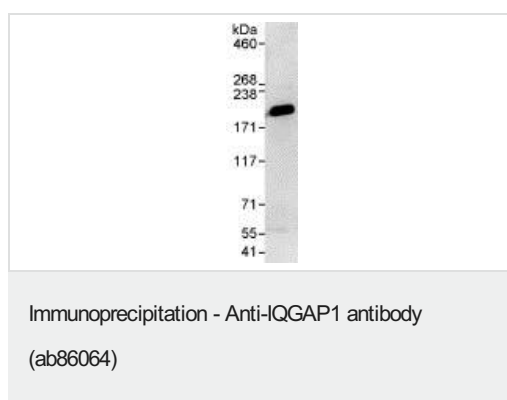
Observed band size: 189 kDa

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

Exposure time: 10 seconds

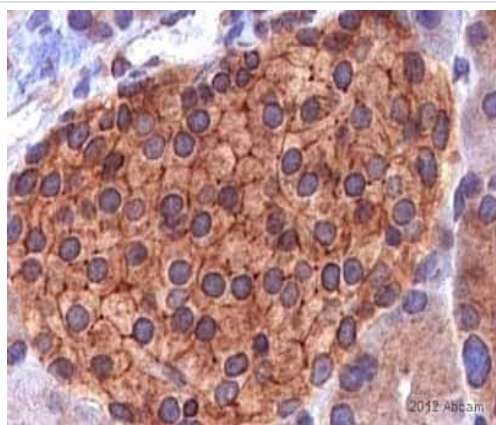


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling IQGAP1 with ab86064 at 1/1000 (0.2µg/ml) and 1/200 (1µg/ml). Detection: DAB and a DyLight® 594-conjugated goat anti-rabbit IgG (H+L) (1/100).



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.



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.

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