abcam

Product datasheet

Anti-Hippocalcin antibody ab24560

★★★★★ **1 Abreviews**   **10 References**   **画像数** 5

製品の概要

製品名	Anti-Hippocalcin antibody
製品の詳細	Rabbit polyclonal to Hippocalcin
由来種	Rabbit
アプリケーション	**適用あり:** WB, ICC/IF, IP
種交差性	**交差種:** Mouse, Rat, Human, Zebrafish
	交差が予測される動物種: Chicken, Cow ⚠
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	ICC/IF: primary hippocampal rat neurons/glia, DIV14. cells WB: Rat Brain, Mouse Brain. IP: Mouse Brain.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	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.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

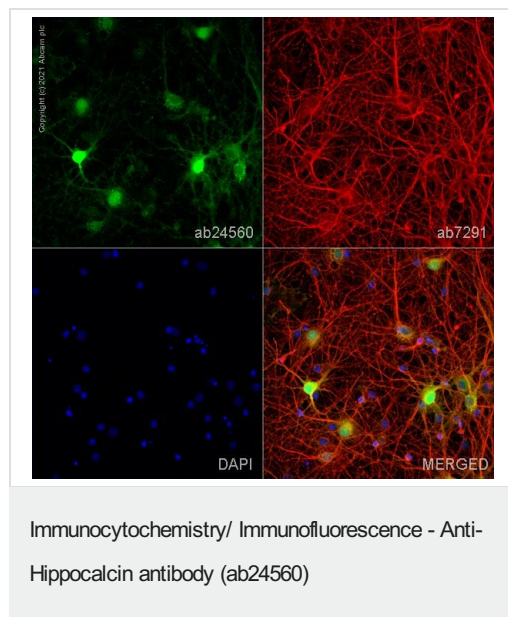| アイソタイプ	IgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u> 次のテスト済みアプリケーションにおけるab24560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。

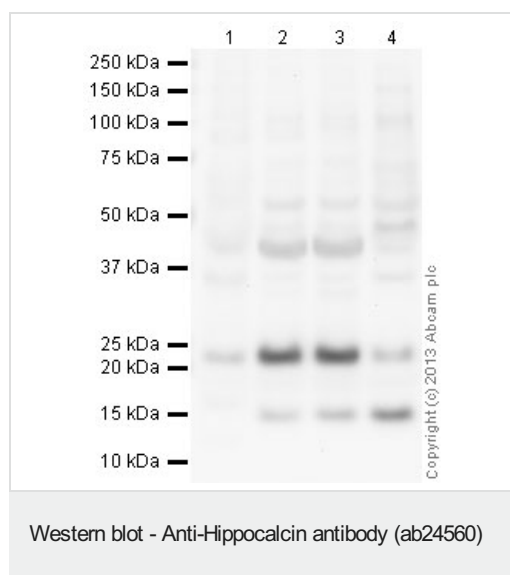| アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 23 kDa (predicted molecular weight: 23 kDa).
ICC/IF		Use a concentration of 5 µg/ml.
IP		Use at an assay dependent concentration.

ターゲット情報

機能	May be involved in the calcium-dependent regulation of rhodopsin phosphorylation. Binds two calcium ions.
組織特異性	Brain specific.
配列類似性	Belongs to the recoverin family. Contains 4 EF-hand domains.
翻訳後修飾	Myristoylation facilitates interaction with membranes.

画像

Immunocytochemistry/ Immunofluorescence - Anti-Hippocalcin antibody (ab24560)

ab24560 staining Hippocalcin in primary hippocampal rat neurons/glia, (obtained from Neuromics, cat. no. PC35101), DIV14. cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab24560 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

Western blot - Anti-Hippocalcin antibody (ab24560)

All lanes : Anti-Hippocalcin antibody (ab24560) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein (**ab29466**)

Lane 2 : Brain (Rat) Tissue Lysate

Lane 3 : Brain (Mouse) Tissue Lysate

Lane 4 : Mouse brain tissue lysate - total protein (0 days) (**ab7188**)

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution
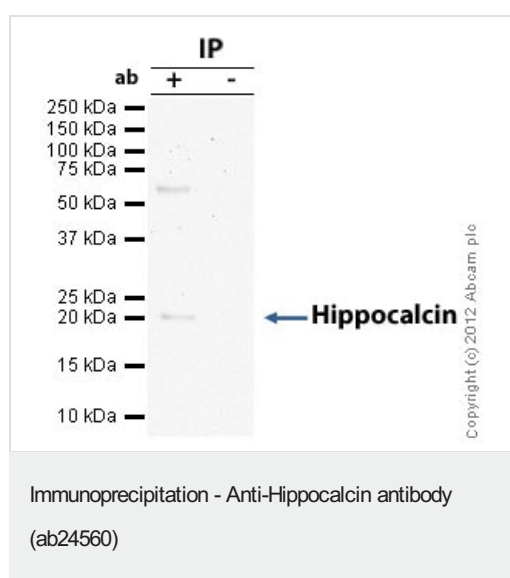
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 23 kDa

Observed band size: 23 kDa

Additional bands at: 14 kDa (possible cleavage fragment), 42 kDa, 52 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes

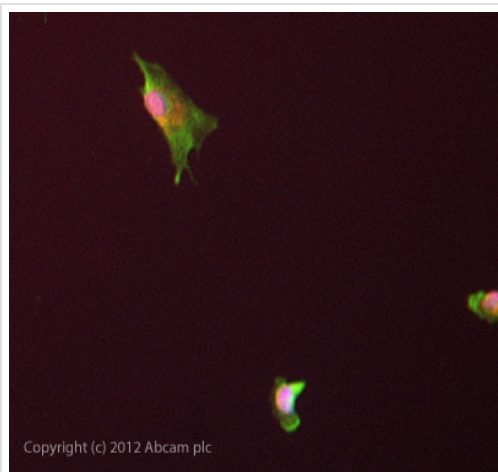

Immunoprecipitation - Anti-Hippocalcin antibody (ab24560)

Hippocalcin was immunoprecipated using 0.5mg Mouse Brain whole tissue lysate, 5µg of Rabbit polyclonal to Hippocalcin and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Mouse Brain whole tissue lysate lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab24560.
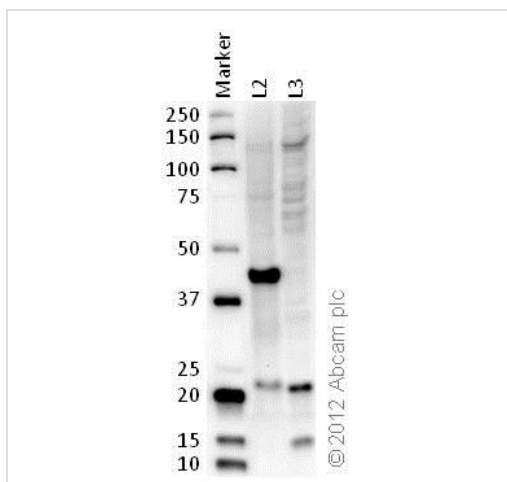
Secondary: Clean blot (HRP conjugate) at 1/1000 dilution.

Band: 23kDa: Hippocalcin; non specific - 60kDa: We are unsure as to the identity of this extra band.

ICC/IF image of ab24560 stained SKNSH cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab24560 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-Hippocalcin antibody (ab24560)

All lanes : Anti-Hippocalcin antibody (ab24560) at 1 µg/ml

Lane 1 : Marker
Lane 2 : Zebrafish brain homogenate (20ug)
Lane 3 : Mouse brain homogenate (20ug)

Secondary
All lanes : Goat polyclonal to Rabbit IgG – H&L – Pre-Adsorbed (HRP) at 1/6000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 23 kDa
Observed band size: 23 kDa

Exposure time: 1 minute

Western blot - Anti-Hippocalcin antibody (ab24560)

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