abcam

Product datasheet

Anti-CREB + ICER antibody ab5803

3 Abreviews 11 References 画像数 7

製品の概要

製品名	Anti-CREB + ICER antibody
製品の詳細	Rabbit polyclonal to CREB + ICER
由来種	Rabbit
特異性	ab5803 detects both the phosphorylated and non-phosphorylated forms of cyclic-AMP response element binding protein (CREB) from rat cells.
アプリケーション	**適用あり:** WB, ICC/IF, IHC-P
種交差性	**交差種:** Mouse, Rat, Human **交差が予測される動物種:** Cow, Dog, Zebrafish
免疫原	Synthetic peptide corresponding to Human CREB aa 123-136. Sequence: KRREILSRRPSYRK (Peptide available as **ab5860**) Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: GH4 cell extract. ICC/IF: SK-N-MC cells, Neuro-2a cells. IHC-P: Mouse brain tissue, Human glioma, Human lung adenocarcinoma.
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	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS

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 **Abpromise保証は、次のテスト済みアプリケーションにおけるab5803の使用に適用されます**

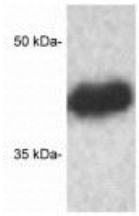
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★☆☆ (2)	Use a concentration of 2 µg/ml. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).Can be blocked with **CREB + ICER peptide (ab5860)**.
ICC/IF	★★★★☆ (1)	1/50 - 1/500.
IHC-P		1/20 - 1/200.

ターゲット情報

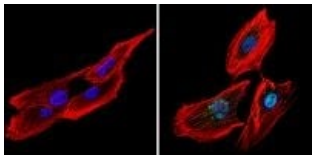
細胞内局在 CREB: Nucleus. CREM: Nucleus.

画像



Western blot - Anti-CREB + ICER antibody (ab5803)

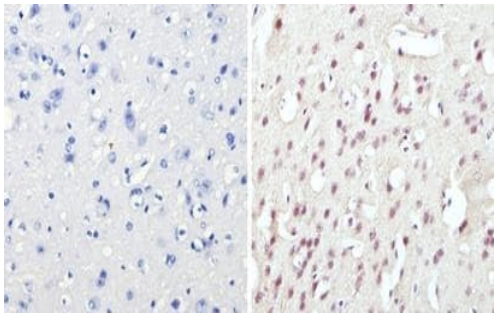
Shows a Western blot of CREB on GH4 cell extract using ab5803.



Immunocytochemistry/ Immunofluorescence - Anti-CREB + ICER antibody (ab5803)

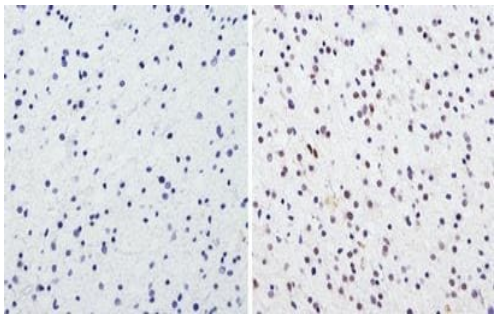
Immunofluorescent analysis of CREB (green) showing staining in the nucleus of SK-N-MC cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a CREB polyclonal antibody (ab5803) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Actin was stained using Alexa Fluor 554

(red) and nuclei were stained with Hoechst or DAPI (blue). Images were taken at a magnification of 60x.



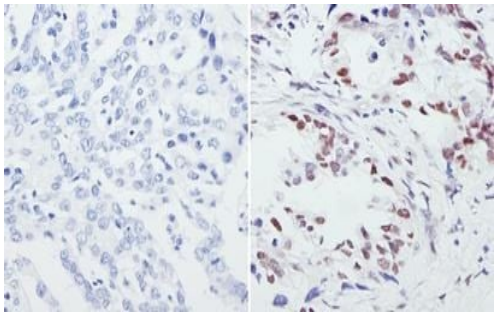
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CREB + ICER antibody (ab5803)

Immunohistochemistry analysis of CREB showing staining in the nucleus of paraffin-embedded mouse brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H_2O_2-methanol for 15 min at room temperature, washed with ddH_2O and PBS, and then probed with a CREB polyclonal antibody (ab5803) diluted in 3% BSA-PBS at a dilution of 1:50 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



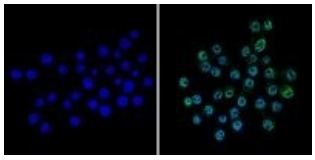
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CREB + ICER antibody (ab5803)

Immunohistochemistry analysis of CREB showing staining in the nucleus of paraffin-embedded Human glioma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H_2O_2-methanol for 15 min at room temperature, washed with ddH_2O and PBS, and then probed with a CREB polyclonal antibody (ab5803) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



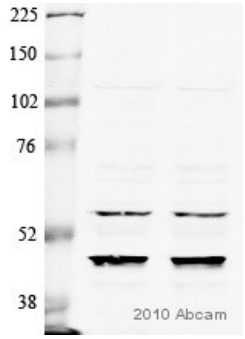
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CREB + ICER antibody (ab5803)

Immunohistochemistry analysis of CREB showing staining in the nucleus of paraffin-embedded Human lung adenocarcinoma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H_2O_2-methanol for 15 min at room temperature, washed with ddH_2O and PBS, and then probed with a CREB polyclonal antibody (ab5803) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunocytochemistry/ Immunofluorescence - Anti-CREB + ICER antibody (ab5803)

Immunofluorescent analysis of CREB (green) showing staining in the nucleus of Neuro-2a cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a CREB polyclonal antibody (ab5803) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Nuclei were stained with Hoechst or DAPI (blue). Images were taken at a magnification of 60x.



Western blot - Anti-CREB + ICER antibody (ab5803)

This image is courtesy of Richard D'Mello, Kings College, London

All lanes : Anti-CREB + ICER antibody (ab5803) at 1/500 dilution

All lanes : hippocampal lysate

Lysates/proteins at 40 µg per lane.

Secondary

All lanes : Donkey Anti-Rabbit IR800-linked conjugated to IRDye 800CW at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 43 kDa
Observed band size: 43 kDa
Additional bands at: 55 kDa (possible non-specific binding)

Exposure time: 5 minutes

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