abcam

Product datasheet

Anti-RNF20 antibody ab32629

★★★★☆ **19 Abreviews**　**17 References**　画像数 5

製品の概要

製品名	Anti-RNF20 antibody
製品の詳細	Rabbit polyclonal to RNF20
由来種	Rabbit
アプリケーション	**適用あり:** WB, ICC/IF
種交差性	**交差種:** Chicken, Human
	交差が予測される動物種: Mouse ⚠
免疫原	Synthetic peptide corresponding to Human RNF20 aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab32628**)
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ab32629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	★★★★☆ (8)	Use a concentration of 1 µg/ml. Detects a band of approximately 120 kDa (predicted molecular weight: 114 kDa).
ICC/IF	★★★★★ (6)	Use a concentration of 1 µg/ml.

ターゲット情報

機能	Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role inb histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B; reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes. Recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator. Mediates the polyubiquitination of isoform 2 of PA2G4 in cancer cells leading to its proteasome-mediated degradation.
組織特異性	Expressed in the normal brain and also in malignant gliomas (at protein level).
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Belongs to the BRE1 family. Contains 1 RING-type zinc finger.
細胞内局在	Nucleus.

画像

Western blot - Anti-RNF20 antibody (ab32629)

All lanes : Anti-RNF20 antibody (ab32629) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : Jurkat whole cell lysate (**ab7899**)

Lane 3 : A-431 whole cell lysate (**ab7909**)

Lane 4 : HEK-293 whole cell lysate (**ab7902**)

Lane 5 : MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lane 6 : U2OS (Human osteosarcoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.
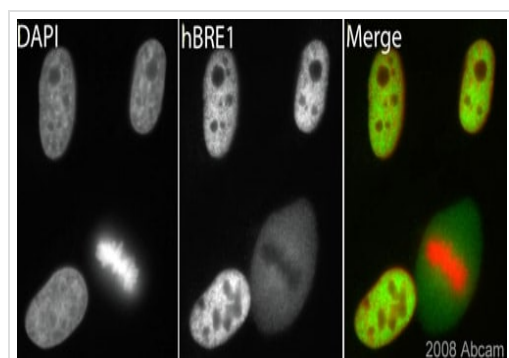
Secondary

Lane 1 : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Lanes 2-6 : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

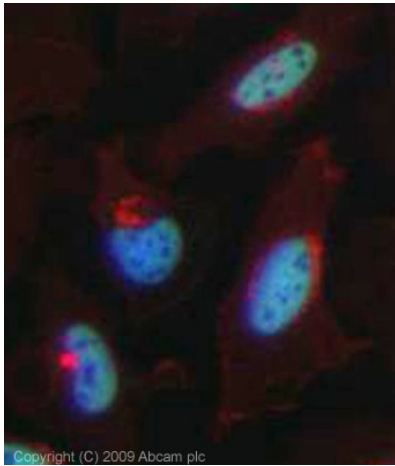Performed under reducing conditions.

Predicted band size: 114 kDa
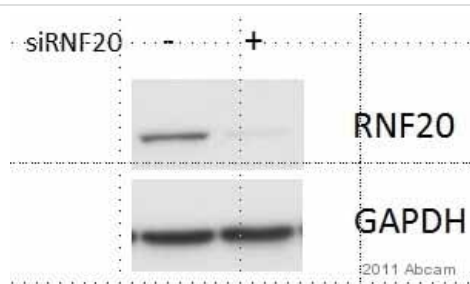**Observed band size:** 120 kDa

Immunocytochemistry/ Immunofluorescence - Anti-RNF20 antibody (ab32629)

This image is courtesy of an Abreview submitted by Dr Kirk McManus

ab32629 (1/500) staining RNF20 in assynchronous HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.5% Triton X100/PBS and counterstained with DAPI to highlight the nucleus (red). Please refer to abreview for further experimental details.

Immunocytochemistry/ Immunofluorescence - Anti-RNF20 antibody (ab32629)

ICC/IF image of ab32629 stained HeLa cells. The cells were 4% PFA 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 (ab32629, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit 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. This antibody also gave a positive result in 4% PFA fixed (10 min) Hek293, HepG2 and MCF7 cells at 1µg/ml, and in 100% methanol fixed (5 min) HeLa, Hek293, HepG2 and MCF7 cells at 1µg/ml.

Western blot - Anti-RNF20 antibody (ab32629)

Image courtesy of an anonymous Abreview.

All lanes : Anti-RNF20 antibody (ab32629) at 1/1000 dilution

Lane 1 : Whole cell lysate prepared from Ntera2 cells
Lane 2 : Whole cell lysate prepared from Ntera2 cells + siRNA against RNF20 for 48 hours

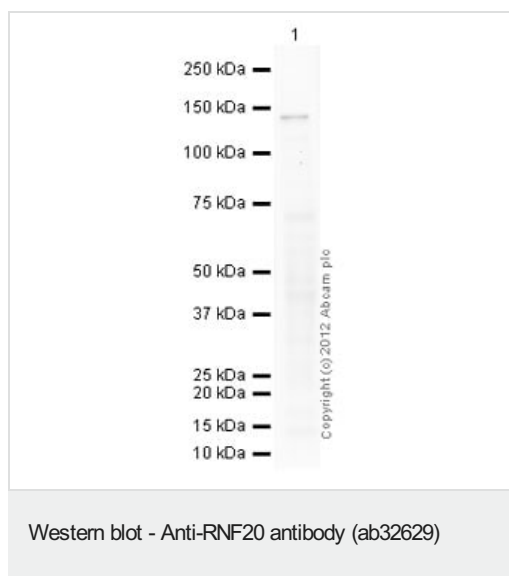Lysates/proteins at 20 µg per lane.

Secondary
All lanes : HRP conjugated goat polyclonal at 1/10000 dilution

Developed using the ECL technique.

Predicted band size: 114 kDa
Observed band size: 120 kDa

Exposure time: 20 seconds

Western blot - Anti-RNF20 antibody (ab32629)

Anti-RNF20 antibody (ab32629) at 1 µg/ml + Liver (Chicken) Tissue Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 114 kDa

Observed band size: 140 kDa

Exposure time: 20 minutes

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