

Anti-BORIS antibody [KT72] ab111255

画像数 2

製品の概要

製品名	Anti-BORIS antibody [KT72]
製品の詳細	Rat monoclonal [KT72] to BORIS
由来種	Rat
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human
免疫原	Mouse BORIS
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. 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: 0.1% Sodium azide Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	KT72
アイソタイプ	IgG2a

アプリケーション

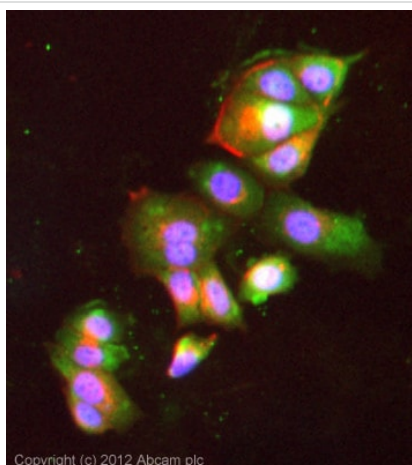
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab111255の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.1 - 1 µg/ml. Predicted molecular weight: 73 kDa.
ICC/IF		Use a concentration of 1 - 10 µg/ml.

ターゲット情報

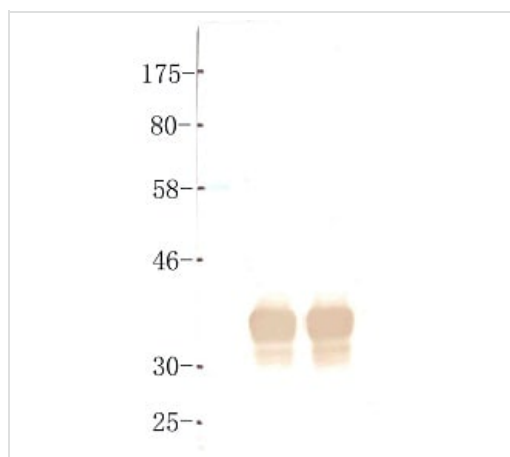
機能	Testis-specific DNA binding protein responsible for insulator function, nuclear architecture and transcriptional control, which probably acts by recruiting epigenetic chromatin modifiers. Plays a key role in gene imprinting in male germline, by participating in the establishment of differential methylation at the IGF2/H19 imprinted control region (ICR). Directly binds the unmethylated H19 ICR and recruits the PRMT7 methyltransferase, leading to methylate histone H4 'Arg-3' to form H4R3sme2. This probably leads to recruit de novo DNA methyltransferases at these sites (By similarity). Seems to act as tumor suppressor. In association with DNMT1 and DNMT3B, involved in activation of BAG1 gene expression by binding to its promoter. Required for dimethylation of H3 lysine 4 (H3K4me2) of MYC and BRCA1 promoters.
組織特異性	Testis specific. Specifically expressed in primary spermatocytes.
配列類似性	Belongs to the CTCF zinc-finger protein family. Contains 11 C2H2-type zinc fingers.
発生段階	Is up-regulated in primary spermatocytes (expression overlapping with the genome-wide erasure of methylation) to become silenced on activation of CTCF in post-meiotic germline cells (expression corresponding to DNA remethylation).
細胞内局在	Cytoplasm. Nucleus.

画像



Immunocytochemistry/ Immunofluorescence - Anti-BORIS antibody [KT72] (ab111255)

ICC/IF image of ab111255 stained MCF7 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 (ab111255, 10µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96887](#), DyLight® 488 goat anti-rat IgG (H+L) used at a 1/250 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% formaldehyde fixed (10 min) HeLa and HepG2 cells at 10µg/ml, and in 100% methanol fixed (5 min) Hek293 cells at 10µg/ml.



Western blot - Anti-BORIS antibody [KT72]
(ab111255)

All lanes : Anti-BORIS antibody [KT72] (ab111255)

Lane 1 : BORIS with N-terminal fused tag.

Lane 2 : BORIS with C-terminal fused tag.

Predicted band size: 73 kDa

Tag is a proprietary ~26 kDa tag.

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

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