abcam

Product datasheet

Anti-RanBP2 antibody [mAbcam58385] ab58385

★☆☆☆☆☆ **2 Abreviews**   画像数 2

製品の概要

製品名	Anti-RanBP2 antibody [mAbcam58385]
製品の詳細	Mouse monoclonal [mAbcam58385] to RanBP2
由来種	Mouse
アプリケーション	**適用あり:** IHC-P, Flow Cyt (Intra) **適用なし:** WB
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Cow ⚠
免疫原	Synthetic peptide conjugated to KLH derived from within residues 3100 - 3200 of Human RanBP2.Immunogen の所有権に関して(Peptide available as **ab59186**.)
ポジティブ・コントロール	IHC-P: Human colon adenocarcinoma tissue. Flow Cyt (Intra): HeLa cells.
特記事項	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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 Constituents: 6.97% L-Arginine, PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル

クローン名	mAbcam58385
アイソタイプ	IgG2b

アプリケーション

The Abpromise guarantee　　<u>Abpromise保証は、次のテスト済みアプリケーションにおけるab58385の使用に適用されます</u>

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		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use 1µg for 10^6 cells. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

追加情報	Is unsuitable for WB.

ターゲット情報

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機能	E3 SUMO-protein ligase which facilitates SUMO1 and SUMO2 conjugation by UBE2I. Involved in transport factor (Ran-GTP, karyopherin)-mediated protein import via the F-G repeat-containing domain which acts as a docking site for substrates. Could also have isomerase or chaperone activity and may bind RNA or DNA. Component of the nuclear export pathway. Specific docking site for the nuclear export factor exportin-1.
パスウェイ	Protein modification; protein sumoylation.
関連疾患	Defects in RANBP2 are the cause of susceptibility to encephalopathy acute necrotizing type 1 (ANE1) [MIM:608033]. A rapidly progressive encephalopathy manifesting in susceptibile individuals with seizures and coma. It can occur within days in otherwise healthy children after common viral infections such as influenza and parainfluenza, without evidence of viral infection of the brain or inflammatory cell infiltration. Brain T2-weighted magnetic resonance imaging reveals characteristic symmetric lesions present in the thalami, pons and brainstem.
配列類似性	Contains 1 PPIase cyclophilin-type domain. Contains 4 RanBD1 domains. Contains 8 RanBP2-type zinc fingers. Contains 1 TPR repeat.
ドメイン	Contains F-X-F-G repeats.
翻訳後修飾	Polyubiquitinated by PARK2, which leads to proteasomal degradation.
細胞内局在	Nucleus > nuclear pore complex. Cytoplasmic filaments.

画像
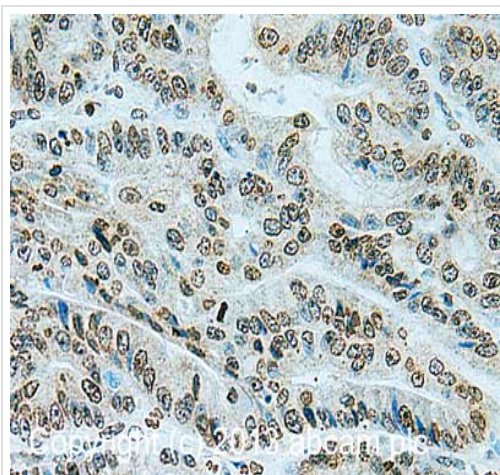
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RanBP2 antibody [mAbcam58385] (ab58385)

IHC image of RanBP2 staining in Human colon adenocarcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab58385, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

Flow Cytometry (Intracellular) - Anti-RanBP2 antibody [mAbcam58385] (ab58385)

Overlay histogram showing HeLa cells stained with ab58385 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab58385, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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