

Product datasheet

Anti-RAP1 antibody [78B356] ab13889

1 Abreviews [画像数 1](#)

製品の概要

製品名	Anti-RAP1 antibody [78B356]
製品の詳細	Mouse monoclonal [78B356] to RAP1
由来種	Mouse
アプリケーション	適用あり: WB 適用なし: ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse
免疫原	Synthetic peptide: KAEEDPEAADSGEPQNKRTPDLP , corresponding to amino acids 212-235 of Human RAP1. Run BLAST with Run BLAST with
ポジティブ・コントロール	293 cell lysate.

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: 0.02% Sodium Azide Constituents: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	78B356
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab13889** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
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WB

追加情報

WB: Use at a concentration of 2 - 4 µg/ml. Detects a band of approximately 50 kDa.

Is unsuitable for ICC/IF (please see abreview).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

Acts both as a regulator of telomere function and as a transcription regulator. Involved in the regulation of telomere length and protection as a component of the shelterin complex (telosome). In contrast to other components of the shelterin complex, it is dispensible for telomere capping and does not participate in the protection of telomeres against non-homologous end-joining (NHEJ)-mediated repair. Instead, it is required to negatively regulate telomere recombination and is essential for repressing homology-directed repair (HDR), which can affect telomere length. Does not bind DNA directly: recruited to telomeric double-stranded 5'-TTAGGG-3' repeats via its interaction with TERF2. Independently of its function in telomeres, also acts as a transcription regulator: recruited to extratelomeric 5'-TTAGGG-3' sites via its association with TERF2 or other factors, and regulates gene expression. When cytoplasmic, associates with the I-kappa-B-kinase (IKK) complex and acts as a regulator of the NF-kappa-B signaling by promoting IKK-mediated phosphorylation of RELA/p65, leading to activate expression of NF-kappa-B target genes.

組織特異性

Ubiquitous. Highly expressed.

配列類似性

Belongs to the RAP1 family.

Contains 1 BRCT domain.

Contains 1 Myb-like domain.

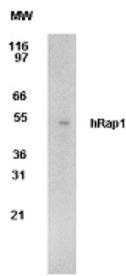
翻訳後修飾

Phosphorylated upon DNA damage, probably by ATM or ATR.

細胞内局在

Nucleus. Cytoplasm. Chromosome. Chromosome > telomere. Associates with chromosomes, both at telomeres and in extratelomeric sites. Also exists as a cytoplasmic form, where it associates with the IKK complex.

画像



Western blot - Anti-RAP1 antibody [78B356]
(ab13889)

Detection of hRap1 in 293 cells: 2 ug/ml of ab13889 were used; a protein band of approximately 50 kDa is detected.

Detection of hRap1 in 293 cells: 2 ug/ml of ab13889 were used; a protein band of approximately 50 kDa is detected.

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