

Recombinant Human RAP1/TERF2IP protein ab162732

1 References [画像数 1](#)

製品の詳細

製品名	Recombinant Human RAP1/TERF2IP protein
発現系	Wheat germ
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MAEAMDLGKDPNGPTHSSSTLFVRDDGSSMSFYVRPSPAKRRL STLILHGG GTVCRVQEPGAVLLAQPGEALAEASGDFISTQYILDCVERNE RLELEAYR LGPASAADTGSEAKPGALAEGAAEPEPQRHAGRIAFTDADDV AILTYVKE NARSPSSVTGNALWKAMEKSSLTQHSWQSLKDRYLKHLRGQE HKYLLGDA PVSPSSQKLKRKAEDPEAADSGEPQNKRTPDLP EEEYVKEE IQENEEAV KKMLVEATREFEEVVVDESPPDFEIHITMCDDDPPTPEEDSE TQPDEEEE EEEEKVSQPEVGAAIKIIRQLMEKFNLDLSTVTQAFLKNSGE LEATSAFL ASGQRADGYPIWSRQDDIDLQKDD EDTREALVKKFGAQNVAR RIEFRKK
領域	1 to 399
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab162732** 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	Western blot
	ELISA
製品の状態	Liquid

備考

前処理および保存

保存方法および安定性

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

関連情報

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 dispensable 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.

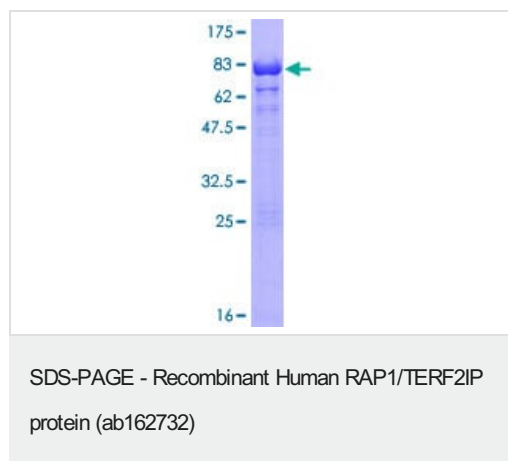
翻訳後修飾

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



ab162732 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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