

Product datasheet

Recombinant Human RING2 / RING1B / RNF2 protein ab159360

画像数 1

製品の詳細

製品名	Recombinant Human RING2 / RING1B / RNF2 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	MSQAVQTNGTQPLSKTWELSLYELQRTPQEAITDGLEIIVSP RSLHSELM CPICLDMLKNTMTTKECLHRFCADCIITALRSGNKECPTCRK KLVSKRSL RPDPNFDALISKIYPSRDEYEAHQERVLARINKHNNQQALSH SIEEGLKI QAMNRLQRGKKQIENGSGAEDNGDSSHCSNASTHSNQEAGP SNKRTKTS DDSGLELDNNAAMAIDPVMGASEIELVFRPHPTLMKDDSD AQTRYIKT SGNATVDHLISKYLAVRLALEELRSKGESNMNLDTASEKQYT IYIATASG QFTVLNGSFSLELVSEKYWKVKNKPMELYYAPTKEHK
領域	1 to 336
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab159360** 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

E3 ubiquitin-protein ligase that mediates monoubiquitination of 'Lys-119' of histone H2A, thereby playing a central role in histone code and gene regulation. H2A 'Lys-119' ubiquitination gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. May be involved in the initiation of both imprinted and random X inactivation. Essential component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex act via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility. E3 ubiquitin-protein ligase activity is enhanced by BMI1/PCGF4. Acts as the main E3 ubiquitin ligase on histone H2A of the PRC1 complex, while RING1 may rather act as a modulator of RNF2/RING2 activity.

パスウェイ

Protein modification; protein ubiquitination.

配列類似性

Contains 1 RING-type zinc finger.

翻訳後修飾

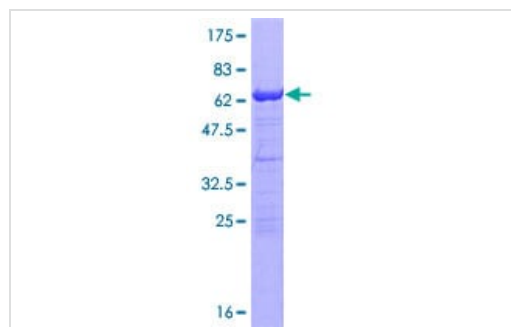
Polyubiquitinated in the presence of UBE2D3 (in vitro).

Monoubiquitinated, by auto-ubiquitination.

細胞内局在

Nucleus. Chromosome. Enriched on inactive X chromosome (Xi) in female trophoblast stem (TS) cells as well as differentiating embryonic stem (ES) cells. The enrichment on Xi is transient during TS and ES cell differentiation. The association with Xi is mitotically stable in non-differentiated TS cells.

画像



ab159360 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human RING2 / RING1B
/ RNF2 protein (ab159360)

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

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