

Anti-RING1 antibody [8C12F4] ab175149

KO 評価済

2 References 画像数 8

製品の概要

製品名	Anti-RING1 antibody [8C12F4]
製品の詳細	Mouse monoclonal [8C12F4] to RING1
由来種	Mouse
アプリケーション	適用あり: WB, ELISA, Flow Cyt, IHC-P
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant fragment corresponding to Human RING1 aa 79-263. Database link: Q06587
ポジティブ・コントロール	RING1 recombinant protein; RING1 (aa: 79-263)-hlgGfC transfected HEK293 cell lysate; MOLT4, LNCaP, HeLa, HEK-293 and Jurkat cell lysates; Human cervical cancer and Human rectum cancer tissues; HeLa cells.
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 long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituent: 99% PBS 0.5% protein stabilizer
精製度	Protein G purified
特記事項 (精製)	Purified from tissue culture supernatant.

ポリ/モノ	モノクローナル
クローン名	8C12F4
アイソタイプ	IgG1

アプリケーション

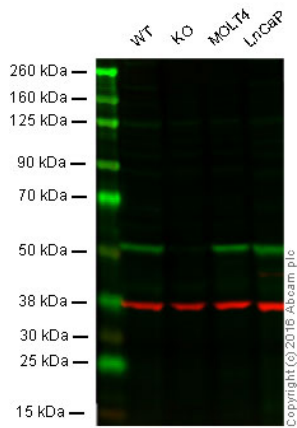
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab175149の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/2000. Predicted molecular weight: 42 kDa.
ELISA		1/10000.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		1/200 - 1/1000.

ターゲット情報

機能	Constitutes one of the E3 ubiquitin-protein ligases that mediate 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. 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. Compared to RNF2/RING2, it does not have the main E3 ubiquitin ligase activity on histone H2A, and it 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.
細胞内局在	Nucleus speckle.

画像



Western blot - Anti-RING1 antibody [8C12F4] (ab175149)

Lane 1: Wild-type HAP1 cell lysate (40 µg)

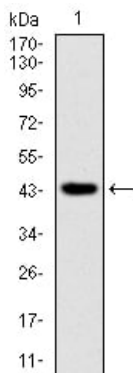
Lane 2: RING1 knockout HAP1 cell lysate (40 µg)

Lane 3: MOLT4 cell lysate (20 µg)

Lane 4: LnCaP cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab175149 observed at 50 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

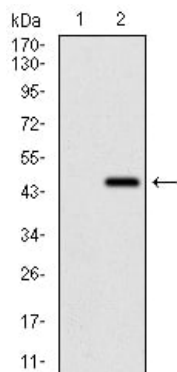
ab175149 was shown to specifically react with RING1 when RING1 knockout samples were used. Wild-type and RING1 knockout samples were subjected to SDS-PAGE. Ab175149 and **ab181602** (loading control to GAPDH) were diluted at 1/500 and 1/10000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed **ab216772** and Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed **ab216777** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-RING1 antibody [8C12F4] (ab175149)

Anti-RING1 antibody [8C12F4] (ab175149) at 1/500 dilution + RING1 recombinant protein

Predicted band size: 42 kDa



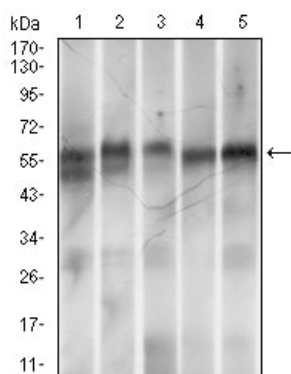
Western blot - Anti-RING1 antibody [8C12F4] (ab175149)

All lanes : Anti-RING1 antibody [8C12F4] (ab175149) at 1/500 dilution

Lane 1 : HEK293 cell lysate

Lane 2 : RING1 (aa: 79-263)-hlgGfc transfected HEK293 cell lysate

Predicted band size: 42 kDa



Western blot - Anti-RING1 antibody [8C12F4] (ab175149)

All lanes : Anti-RING1 antibody [8C12F4] (ab175149) at 1/500 dilution

Lane 1 : MOLT4 cell lysate

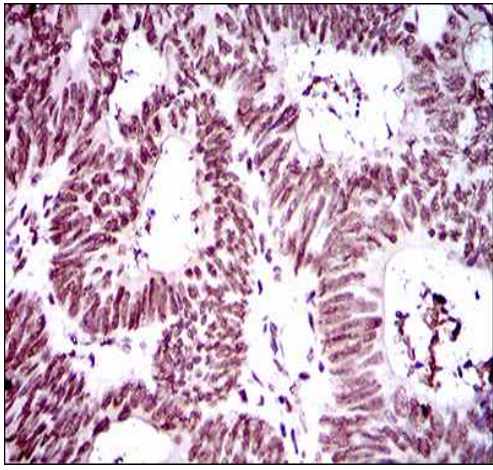
Lane 2 : LNCaP cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : HEK293 cell lysate

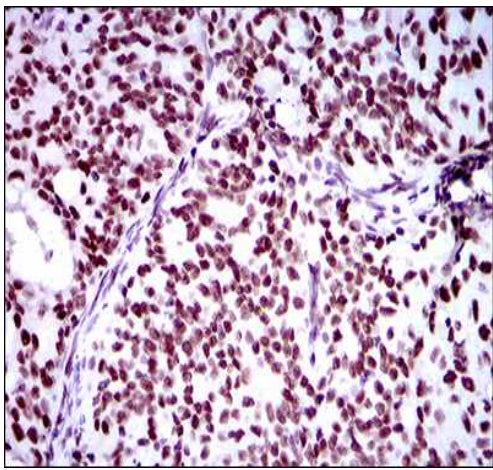
Lane 5 : Jurkat cell lysate

Predicted band size: 42 kDa



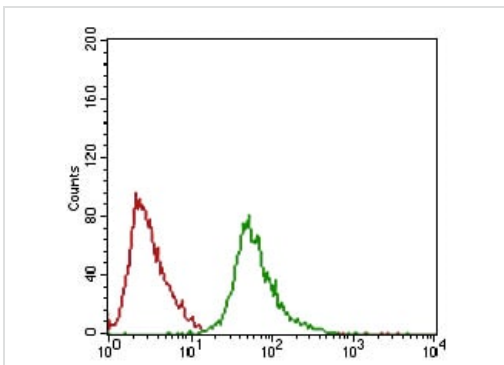
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RING1 antibody [8C12F4] (ab175149)

Immunohistochemical analysis of paraffin embedded Human rectum carcinoma tissue labeling RING1 with ab175149 at 1/200 followed by DAB staining.



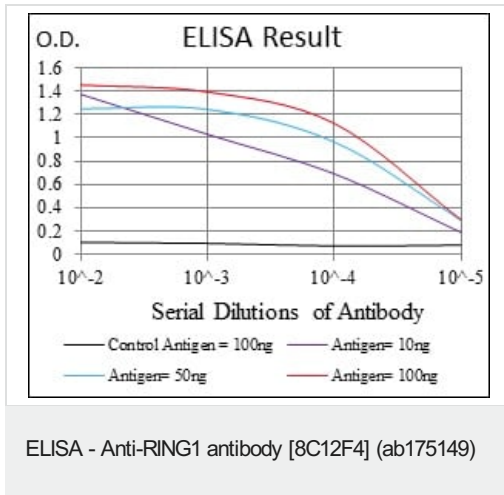
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RING1 antibody [8C12F4] (ab175149)

Immunohistochemical analysis of paraffin embedded Human cervical carcinoma tissue labeling RING1 with ab175149 at 1/200 followed by DAB staining.



Flow Cytometry - Anti-RING1 antibody [8C12F4] (ab175149)

Flow Cytometrical analysis of HeLa cells labeling RING1 with ab175149 at 1/200 (green) compared to a negative control (red).



ELISA using ab175149 at 1/10000.

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