


Anti-RING2 / RING1B / RNF2 antibody ab101273

★★★★★ [1 Abreviews](#) [18 References](#) [3 图像](#)

概述

产品名称	Anti-RING2 / RING1B / RNF2抗体
描述	兔多克隆抗体to RING2 / RING1B / RNF2
宿主	Rabbit
经测试应用	适用于: WB, IP, ICC/IF, IHC-P, ChIP-sequencing
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Chicken, Cow, Dog, Turkey, Pig, Xenopus laevis, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis, Platypus 
免疫原	Synthetic peptide corresponding to Human RING2/ RING1B/ RNF2 aa 150-250. Database link: Q99496
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

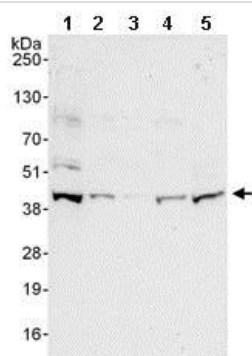
Abpromise™承诺保证使用ab101273于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 37 kDa.
IP		Use at 2-5 µg/mg of lysate.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. Use with methanol or paraformaldehyde fixed cells.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ChIP-sequencing		Use at an assay dependent concentration. 10 µg

靶标	
功能	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.
通路	Protein modification; protein ubiquitination.
序列相似性	Contains 1 RING-type zinc finger.
翻译后修饰	Polyubiquitinated in the presence of UBE2D3 (in vitro). Monoubiquitinated, by auto-ubiquitination.
细胞定位	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.

图片



Western blot - Anti-RING2 / RING1B / RNF2 antibody (ab101273)

All lanes : Anti-RING2 / RING1B / RNF2 antibody (ab101273) at 0.1 µg/ml

Lane 1 : K562 whole cell lysate at 50 µg

Lane 2 : K562 whole cell lysate at 15 µg

Lane 3 : K562 whole cell lysate at 5 µg

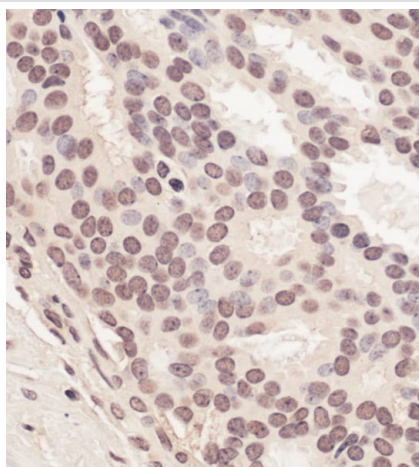
Lane 4 : 293T whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

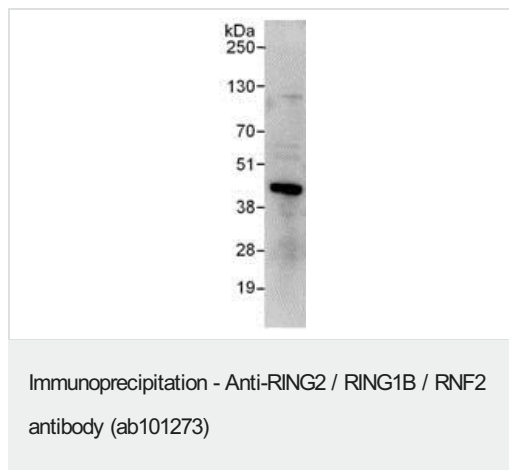
Predicted band size: 37 kDa

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RING2 / RING1B / RNF2 antibody (ab101273)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling RING2 / RING1B / RNF2 with ab101273 at 1/1000 (1µg/ml).



Detection of RING2 / RING1B / RNF2 in Immunoprecipitates of K562 whole cell lysate (1 mg for IP, 20% of IP loaded) using ab101273 at 3 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection. Detection: Chemiluminescence with an exposure time of 30 seconds.

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