

Product datasheet

Anti-RING1 antibody ab76985

[3 Images](#)

Overview

Product name	Anti-RING1 antibody
Description	Mouse monoclonal to RING1
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment: NKECPTCRKK LVSKRSLRPD PNFDALISKI YPSREEYEAH QDRVLIRLSR LHNQQALSSS IEEGLRMQAM HRAQRVRRPI PGSDQTTTMS, corresponding to amino acids 81-170 of human RING1 (NP_002922) with a 26 kDa tag Run BLAST with ExPASy Run BLAST with NCBI
Positive control	H9c2(2-1) cell lysate; RIN-m5F cell lysate; immunogen.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2b
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab76985** in the following tested applications.

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

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 42 kDa.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Function

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.

Pathway

Protein modification; protein ubiquitination.

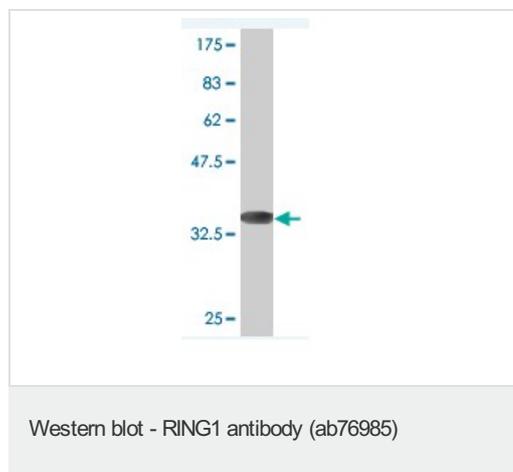
Sequence similarities

Contains 1 RING-type zinc finger.

Cellular localization

Nucleus speckle.

Images



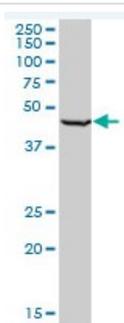
Anti-RING1 antibody (ab76985) at 5 µg/ml + immunogen at 0.2 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/5000 dilution

Predicted band size: 42 kDa

Observed band size: 35 kDa



Western blot - RING1 antibody (ab76985)

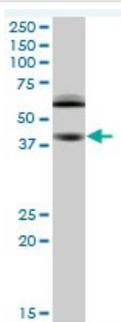
Anti-RING1 antibody (ab76985) at 5 µg/ml +
H9c2(2-1) cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa



Western blot - RING1 antibody (ab76985)

Anti-RING1 antibody (ab76985) at 5 µg/ml +
RIN-m5F cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

Additional bands at: 60 kDa. We are unsure
as to the identity of these extra bands.

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