

Recombinant RING1B Monoclonal Antibody

catalog number: **AN301819L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

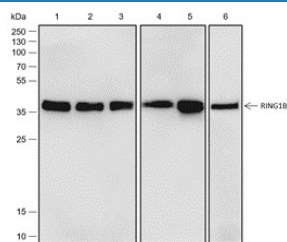
Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human RING1B fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A531
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:200-1:1000
IF	1:50
FCM	1:50-1:100

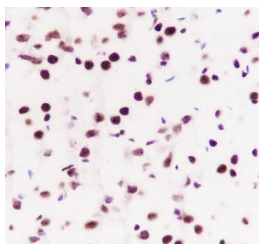
Data



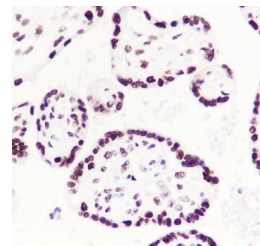
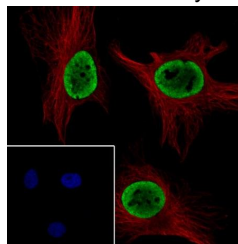
Western Blot with RING1B Monoclonal Antibody at dilution of 1:1000. Lane 1: F9, Lane 2: NIH/3T3, Lane 3: PC-12, Lane 4: C6, Lane 5: 293T, Lane 6: HeLa

Observed-MW:38 kDa

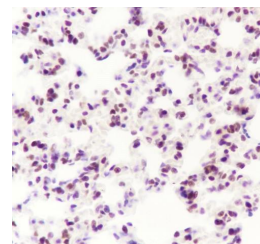
Calculated-MW:38 kDa



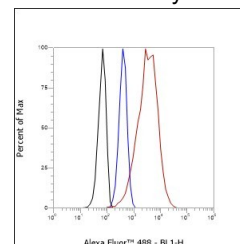
Immunohistochemistry of paraffin-embedded Mouse brain using RING1B Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human placenta using RING1B Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat lung using RING1B Monoclonal Antibody at dilution of 1:1000.



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Rev. V1.1

Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-RING1B Monoclonal Antibody at dilution of 1:50.

Flow cytometric analysis of mouse RING1B expression on HeLa cells. Cells were stained with purified anti-Mouse RING1B, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

RING1B is a E3 ubiquitin-protein ligase that mediates monoubiquitination of 'Lys-119' of histone H2A (H2AK119Ub), thereby playing a central role in histone code and gene regulation. H2AK119Ub gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. It may be involved in the initiation of both imprinted and random X inactivation. Its E3 ubiquitin-protein ligase activity is enhanced by BMI1/PCGF4.

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