



RNF2 mouse mAb

Catalog No	YP-mAb-18143
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RNF2 BAP1 DING HIPI3 RING1B
Immunogen	Synthesized peptide derived from human RNF2
Specificity	This antibody detects endogenous levels of RNF2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BAP 1;BAP1;DING;E3 ubiquitin-protein ligase RING2;EC:2.3.2.27;RNF2;RNF2 BAP1 DING HIPI3 RING1B;E3 ubiquitin-protein ligase RING2 (EC 6.3.2.-) (Huntingtin-interacting protein 2-interacting protein 3) (HIP2-interacting protein 3) (Protein DinG) (RING finger protein 1B) (RING1b) (RING finger prote
Observed Band	38 kDa
Calculated Molecular Weight	336 aa, 38 kDa
Cell Pathway	Nucleus . Cytoplasm . 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-differentiate
Tissue Specificity	
Function	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. May be involved in the initiation of both imprinted and random X inactivation (By similarity). Essential component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally



repressive state of many genes, including Hox genes, throughout development . PcG PRC1 complex acts 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, whi

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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