

KD-Validated Anti-RING1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2358

Product Information

Application	WB, FC, ICC
Primary Accession	Q06587
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB955
Calculated MW	42429
Gene Name	RING1
Aliases	Ring Finger Protein 1; RNF1; RING-Type E3 Ubiquitin Transferase RING1; Really Interesting New Gene 1 Protein; E3 Ubiquitin-Protein Ligase RING1; Polycomb Complex Protein RING1; RING Finger Protein 1; EC 2.3.2.27; EC 6.3.2; RING1A
Immunogen	A synthesized peptide derived from human RING1

Additional Information

Gene ID	6015
Other Names	E3 ubiquitin-protein ligase RING1, 2.3.2.27, Polycomb complex protein RING1, RING finger protein 1, RING-type E3 ubiquitin transferase RING1, Really interesting new gene 1 protein, RING1 (HGNC:10018)

Protein Information

Name	RING1 (HGNC:10018)
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 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. 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.
Cellular Location	Nucleus. Nucleus speckle

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