



Anti-RNF2 monoclonal antibody, clone FQS23356 (DCABH-7118)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to RING2 / RING1B / RNF2
Antigen Description	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.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human RING2/ RING1B/ RNF2 aa 100-200. The exact sequence is proprietary. Database link: Q99496
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS23356
Purity	Protein A purified
Conjugate	Unconjugated

Applications	WB, IHC-P, ICC/IF
Positive Control	HeLa, 293, Jurkat and HepG2 cell lysates; Human placenta tissue; HepG2 cells.
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.01% Sodium azide; Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	RNF2 ring finger protein 2 [Homo sapiens]
Official Symbol	RNF2
Synonyms	RNF2; ring finger protein 2; E3 ubiquitin-protein ligase RING2; BAP 1; BAP1; DING; HIP13; RING1B; RING2; protein DinG; RING finger protein 1B; RING finger protein BAP-1; HIP2-interacting protein 3; huntingtin-interacting protein 2-interacting protein 3; B
Entrez Gene ID	6045
Protein Refseq	NP_009143
UniProt ID	Q99496
Chromosome Location	1q25.3
Function	RING-like zinc finger domain binding; chromatin binding; ligase activity; metal ion binding; protein binding; contributes_to ubiquitin-protein ligase activity; zinc ion binding;