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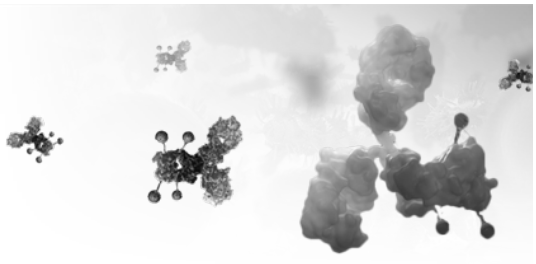

Anti-BMI1 monoclonal antibody, clone FQS4856(3) (DCABH-1882)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Bmi1
Antigen Description	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 acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A Lys-119, rendering chromatin heritably changed in its expressibility. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of RNF2/RING2.
Immunogen	A synthetic peptide, corresponding to residues in Human Bmi1 (UniProt P35226).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat, Human
Clone	FQS4856(3)
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Positive Control	K562, Saos 2, SW480, MOLT4 and HT1080 cell lysates; Human breast carcinoma tissue; SW480 cells.
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Preservative: 0.01% Sodium azide; Constituents: 49% PBS, 50% Glycerol, 0.05%

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	BSA
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	BMI1 BMI1 polycomb ring finger oncogene [Homo sapiens]
Official Symbol	BMI1
Synonyms	BMI1; BMI1 polycomb ring finger oncogene; B lymphoma Mo MLV insertion region 1 homolog (mouse) , PCGF4, polycomb group ring finger 4; polycomb complex protein BMI-1; RNF51; flvi-2/bmi-1; ring finger protein 51; polycomb group protein Bmi1; polycomb group
Entrez Gene ID	648
Protein Refseq	NP_005171
UniProt ID	P35226
Chromosome Location	10p13
Pathway	Senescence and Autophagy, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; Validated targets of C-MYC transcriptional activation, organism-specific biosystem;
Function	RING-like zinc finger domain binding; chromatin binding; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding; zinc ion binding;

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