For Research Use Only

SETDB1 Polyclonal antibody Catalog Number:11231-1-AP Featured Product 86

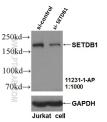
Featured Product 86 Publications



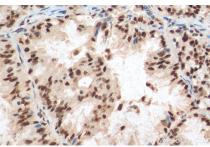
Basic Information	Catalog Number: 11231-1-AP Size: 150ul , Concentration: 900 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG1725	GenBank Accession BC009362 GeneID (NCBI): 9869 UNIPROT ID: Q15047 Full Name: SET domain, bifurca Calculated MW: 143 kDa Observed MW: 170 kDa		Purification Method: Antigen affinity purification Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:200-1:800
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ChIP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ChIP Species Specificity: human Cited Species: human, mouse		Positive Controls: WB : HEK-293 cells, HeLa cells, human testis tissue, Jurkat cells, MCF-7 cells, PC-3 cells, MDA-MB-231 cells NIH/3T3 cells	
			IP : MCF-7 cells,	
			IHC : human lung cancer tissue, human testis tissue	
			IF/ICC : A431 cells,	
Background Information	SET domain protein with histone H3- with DNA methylation and represent (CBX1, CBX3 and/or CBX5) proteins to thereby playing a central role in the ATF7IP that represses transcription a dependent on MBD1 and is heritably regulates histone methylation, gene treatment in Huntington Disease, giv disease pathogenesis. This antibody	vith citrate D67 and KMT1E, belor K9-specific methyltra is a specific tag for ep o methylated histone silencing of euchrom ind couples DNA meth maintained through I silencing, and transc ven that gene silencir is a rabbit polyclona	insferase activity igenetic transcri s. SETDB1 mainly atic genes. It proi nylation and hist DNA replication I riptional repress g and transcripti I antibody raisec	
Notable Publications	Author Pu	bmed ID Jou	rnal	Application
	Keli Chen 29	158805 J Ca	ancer	chIP
	Qi Li 34	497149 J In	nmunol	ChIP
	Tiantian Liu 28	890329 Bio	chim Biophys Ac	ta chIP
Storage	Storage: Store at -20°C. Stable for one year aff Storage Buffer: PBS with 0.02% sodium azide and 50	0% glycerol, pH7.3		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	storage		
For technical support and original validation da T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)	ta for this product please contact: E: proteintech@ptglab.com W: ptglab.com		This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.	

Selected Validation Data

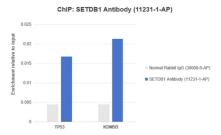
cells.



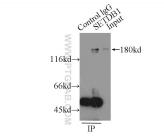
WB result of SETDB1 antibody (11231-1-AP, 1:1000) Imm with si-Control and si-SETDB1 transfected Jurkat emb



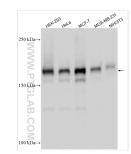
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 11231-1-AP (SETDB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



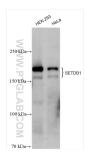
Chromatin was prepared from HeLa cells, cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of SETDB1 Antibody (11231-1-AP) or 5 µg of Normal Rabbit 1gG (3000-0-AP), and 30 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real time PCR. Primers are located in the first kb of the transcribed region.



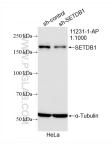
IP result of anti-SETDB1 (IP:11231-1-AP, 3ug; Detection:11231-1-AP 1:1000) with MCF-7 cells lysate 2500ug.



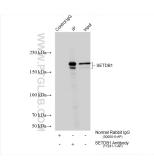
Various lysates were subjected to SDS PAGE followed by western blot with 11231-1-AP (SETDB1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



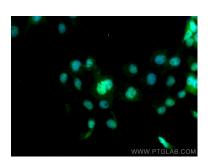
Various lysates were subjected to SDS PAGE followed by western blot with 11231-1-AP (SETDB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



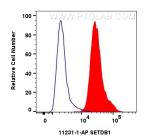
WB result of SETDB1 antibody (11231-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SETDB1 transfected HeLa cells.



IP result of anti-SETDB1 (IP:11231-1-AP, 4ug; Detection:11231-1-AP 1:3000) with MCF-7 cells lysate 1720 ug.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SETDB1 antibody (11231-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10^6 A431 cells were intracellularly stained with 0.4 ug SETDB1 Polyclonal antibody (11231-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).