

SETD1B Polyclonal antibody

Catalog Number: 55005-1-AP **7 Publications**

Basic Information

Catalog Number: 55005-1-AP	GenBank Accession Number: NM_015048	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 553 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23067	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UPS6	
Isotype: IgG	Full Name: SET domain containing 1B	
	Calculated MW: 209 kDa	
	Observed MW: 250-260 kDa, 450 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : human brain tissue, MCF-7 cells, mouse liver tissue IP : MCF-7 cells, IHC : human breast cancer tissue, human ovary tumor tissue IF : MCF-7 cells,
Cited Applications: ChIP, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SETD1B, also named as KMT2G. Set1B associates with a about 450 kDa complex that contains all five non-catalytic components of the Set1A complex, including CFP1, Rbbp5, Ash2, Wdr5, and Wdr82. The complex is a histone methyltransferase that produces trimethylated histone H3 at Lys4. Set1B is widely expressed, and localize to a largely non-overlapping set of euchromatic nuclear speckles, suggesting that Set1B bind to a unique set of target genes and thus make non-redundant contributions to the epigenetic control of chromatin structure and gene expression (PMID: 17355966). The antibody is specific to SETD1B and, in westernblotting experiments, two specific bands can be detected, about 250 kDa, 450 kDa respectively, in addition, a unknown band around 70 kDa. This antibody is a rabbit polyclonal antibody raised against a region of human SETD1B.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Chen	36580757	Int Immunopharmacol	WB,IHC,ChIP
Chen Chen	34884975	Int J Mol Sci	WB
Yesim Bilmez	35445296	Histochem Cell Biol	IHC

Storage

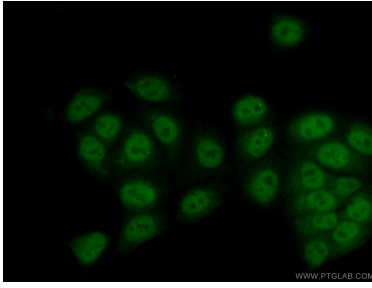
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 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.

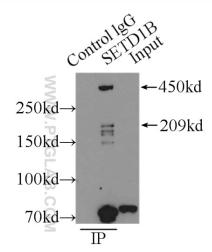
Selected Validation Data



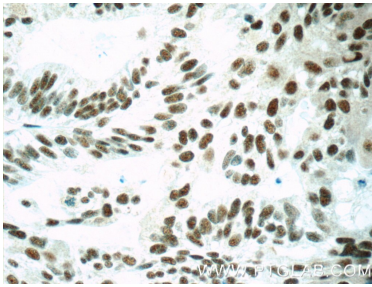
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 55005-1-AP (SETD1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



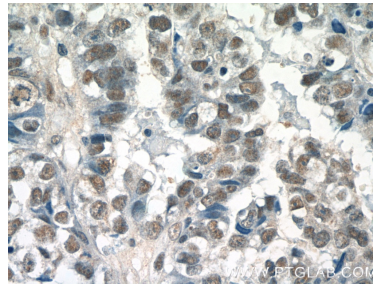
human brain tissue were subjected to SDS PAGE followed by western blot with 55005-1-AP (SETD1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



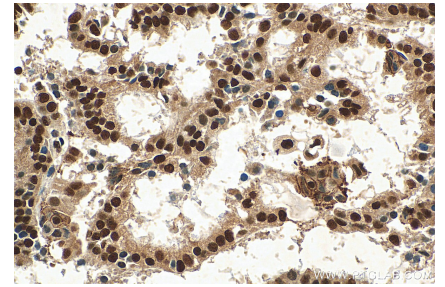
IP result of anti-SETD1B (IP:55005-1-AP, 5ug; Detection:55005-1-AP 1:300) with MCF-7 cells lysate 3250ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 55005-1-AP (SETD1B Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 55005-1-AP (SETD1B Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 55005-1-AP (SETD1B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).