

For Research Use Only

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: 700 ug/ml	GeneID (NCBI): 23067	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9UPS6	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: SET domain containing 1B	IHC 1:20-1:200
	Calculated MW: 209 kDa	IF/ICC 1:50-1:500
	Observed MW: 250-260 kDa, 450 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls: WB : human brain tissue, MCF-7 cells, mouse liver tissue
Cited Applications: WB, IHC, ChIP	IP : MCF-7 cells,
Species Specificity: human, mouse	IHC : human breast cancer tissue, human ovary tumor tissue
Cited Species: human, mouse	IF/ICC : HepG2 cells,

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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

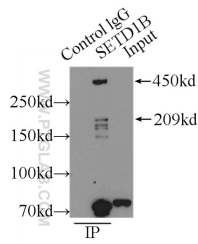
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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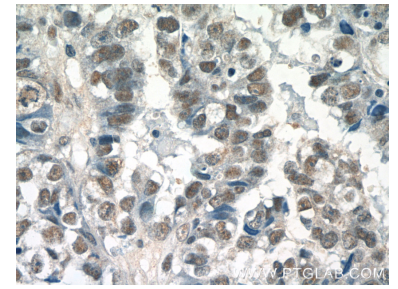
Selected Validation Data



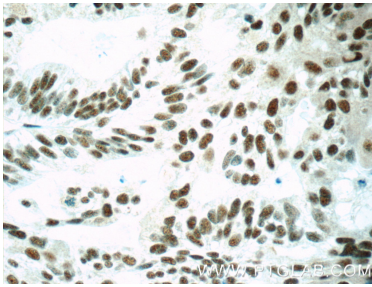
human brain tissue were subjected to SDS PAGE followed by western blot with 55005-1-AP (SETD1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



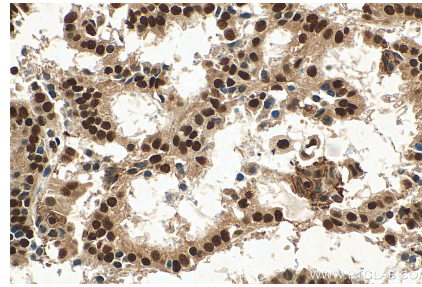
IP result of anti-SETD1B (IP:55005-1-AP, 5ug; Detection:55005-1-AP 1:300) with MCF-7 cells lysate 3250ug.



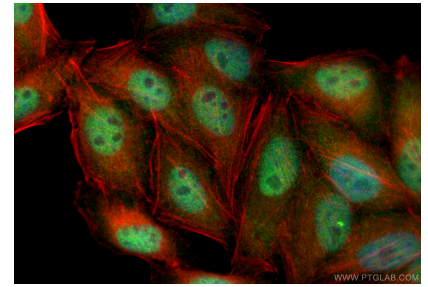
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 55005-1-AP (SETD1B Antibody) at dilution of 1:50 (under 40x lens).



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



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SETD1B antibody (55005-1-AP) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).