

For Research Use Only

SETD7 Monoclonal antibody

Catalog Number: 68569-1-Ig



Basic Information

Catalog Number: 68569-1-Ig	GenBank Accession Number: BC121055	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 80854	CloneNo.: 1C1A9
Source: Mouse	Full Name: SET domain containing (lysine methyltransferase) 7	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 366 aa, 41 kDa	
Immunogen Catalog Number: AG33803	Observed MW: 48-50 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : LNCaP cells, Jurkat cells, MCF-7 cells, HeLa cells,
HEK-293 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

Background Information

SET domain containing lysine methyltransferase 7 (SETD7, also called SET7/9) was the first lysine methyltransferase (KMT) discovered to specifically monomethylate lysine-4 of histone 3 (H3K4me1) (PMID: 26435321). SETD7 has been shown to have a very broad target specificity in vitro, including transcriptional regulators such as TAF10, p53, ER, p65, STAT3, Rb, Mypt, Tat, and Foxo3 (PMID: 25136132, 30013796).

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

*** 20ul sizes contain 0.1% BSA

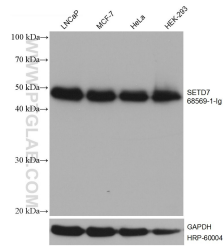
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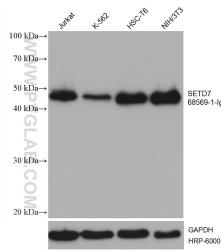
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68569-1-ig (SETD7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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