

For Research Use Only

# SETD7 Monoclonal antibody

Catalog Number: 68569-1-Ig



## Basic Information

**Catalog Number:**

68569-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG33803

**GenBank Accession Number:**

BC121055

**GeneID (NCBI):**

80854

**UNIPROT ID:**

Q8WTS6

**Full Name:**

SET domain containing (lysine methyltransferase) 7

**Calculated MW:**

366 aa, 41 kDa

**Observed MW:**

48-50 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1C1A9

**Recommended Dilutions:**

WB 1:5000-1:50000

## 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

For technical support and original validation data for this product please contact:

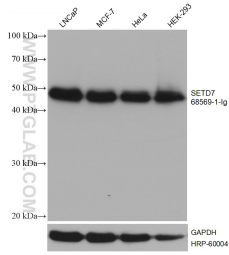
T: 4006900926

E: Proteintech-CN@ptglab.com

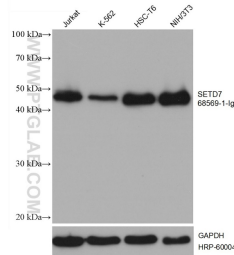
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## Selected Validation Data



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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