

For Research Use Only

# SETD7 Polyclonal antibody

Catalog Number: 24840-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 24840-1-AP	<b>GenBank Accession Number:</b> BC121055	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 80854	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> SET domain containing (lysine methyltransferase) 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 366 aa, 41 kDa	
<b>Immunogen Catalog Number:</b> AG18219	<b>Observed MW:</b> 48-50 kDa	

## Applications

**Tested Applications:**  
IF, WB, ELISA

**Cited Applications:**  
CoIP, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse

**Positive Controls:**

**WB:** HeLa cells, C6 cells, mouse brain tissue, mouse kidney tissue, NIH/3T3 cells, rat brain tissue

**IF:** HeLa 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Baojun Duan	30361067	EBioMedicine	IHC, WB
Run Huang	29212211	Oncotarget	WB
Jia Xiaoshi	33617050	FASEB J	CoIP

## 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

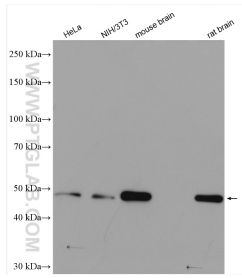
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

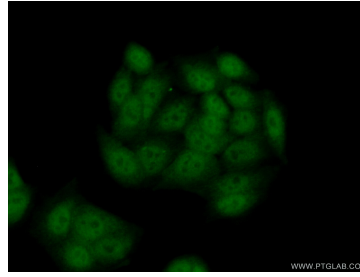
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24840-1-AP (SETD7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 24840-1-AP (SETD7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).