

For Research Use Only

PHF23 Polyclonal antibody

Catalog Number: 25862-1-AP

Featured Product



Basic Information

Catalog Number:

25862-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23044

GenBank Accession Number:

BC002509

GeneID (NCBI):

79142

UNIPROT ID:

Q9BUL5

Full Name:

PHD finger protein 23

Calculated MW:

403 aa, 44 kDa

Observed MW:

~65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, MCF-7 cells

IF/ICC : A549 cells,

Background Information

PHD finger protein 23 (PHF23), also known as hJUNE-1b, belongs to the PHF23 family. As a putative epigenetic reader, the PHD domain of PHF23 specifically binds to tri-methylated lysine 4 of histone H3 (H3K4me3). PHF23 is widely expressed in human tissues and various cell lines and exerts a negative effect on autophagy by promoting the degradation of E3 ligase LRSAM1 (Leucine-rich repeat and sterile alpha motif containing 1) (PMID: 32978226, 32380078). The observed molecular weight of PHF23 is ~65 kDa, which may be caused by post-translational modification. The specificity of this antibody was demonstrated by siRNA-mediated knockdown of target protein.

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

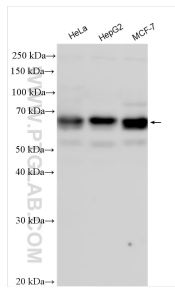
For technical support and original validation data for this product please contact:

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

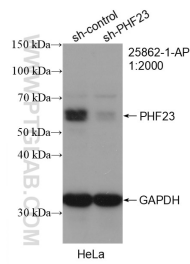
E: proteintech@ptglab.com
W: ptglab.com

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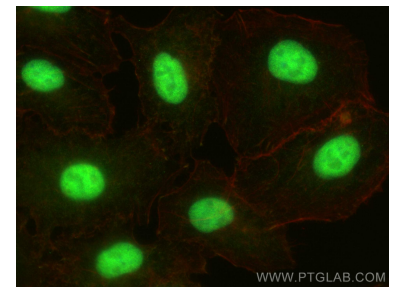
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25862-1-AP (PHF23 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of PHF23 antibody (25862-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PHF23 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using PHF23 antibody (25862-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).