

For Research Use Only

# PHF6 Polyclonal antibody

Catalog Number: 51062-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 51062-1-AP	<b>GenBank Accession Number:</b> BC005994	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84295	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IHC 1:20-1:200 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IWS0	
<b>Isotype:</b> IgG	<b>Full Name:</b> PHD finger protein 6	
<b>Immunogen Catalog Number:</b> AG2102	<b>Calculated MW:</b> 365aa,41 kDa; 312aa,35 kDa	
	<b>Observed MW:</b> 41 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, K-562 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human ovary tumor tissue, human cervical cancer tissue
<b>Species Specificity:</b> human, mouse	<b>IF/ICC :</b> HeLa cells,
<b>Cited Species:</b> human	

**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

PHF6 protein is highly conserved in vertebrates. Structurally, PHF6 protein contains two plant homeodomain (PHD)-like zinc fingers, two nuclear localization sequences and a nucleolar localization sequence, suggesting that PHF6 may play a role in the regulation of transcription. PHD zinc fingers are structurally conserved modules that interact with chromatin or mediate protein-protein interactions. PHF6 associates with subunits of the PAF1 transcription elongation complex including PAF1, LEO1, CTR9 and CDC73. The interaction of PHF6 with the PAF1 complex plays a critical role in PHF6 function in neuronal migration in the cerebral cortex.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiang Gao	35780573	Leuk Res	WB

## Storage

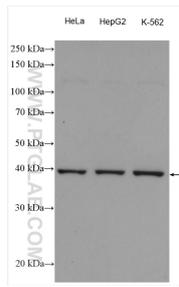
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

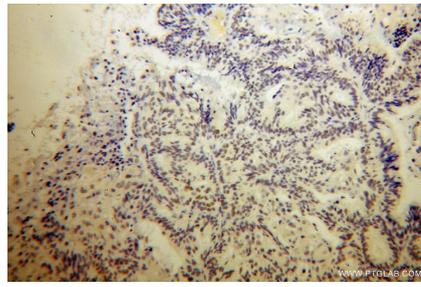
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

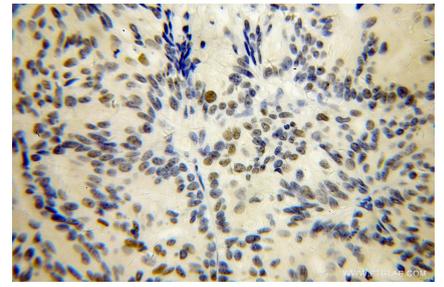
## Selected Validation Data



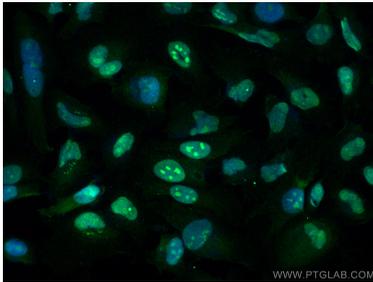
Various lysates were subjected to SDS PAGE followed by western blot with 51062-1-AP (PHF6 antibody) at dilution of 1:64000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 51062-1-AP (PHF6 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 51062-1-AP (PHF6 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PHF6 antibody (51062-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).