

À des fins de recherche uniquement

# Anticorps Monoclonal anti-PHF10

Numéro de catalogue: 66341-1-Ig **2 Publications**



## Informations de base

Numéro de catalogue: 66341-1-Ig	Numéro d'acquisition GenBank: BC020954	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 55274	CloneNo.: 4D4C6
Hôte: Mouse	Nom complet: PHD finger protein 10	Dilutions recommandées: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG1	MW calculé: 408 aa, 46 kDa	
Immunogen Catalog Number: AG19096	MW observés: 56 kDa, 35 kDa	

## Applications

Applications testées: IHC, WB, ELISA	Contrôles positifs: WB : tissu cérébral humain fœtal, cellules HEK-293, cellules Neuro-2a IHC : tissu de gliome humain,
Demandes citées: CoIP, WB	
Spécificité de l'espèce: Humain, souris	
Espèces citées: Humain, souris	
<b>Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.</b>	

## Informations générales

PHF10, also named as BRG1-associated factor 45a, is a 498 amino acid protein, which locate in the nucleus and belongs to the SAYP family. PHF10 involve in transcription activity regulation by chromatin remodeling. It belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and is required for the proliferation of neural progenitors. During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth. PHF10 exists as several isoform and the calculated molecular weight of each isoform is 42 kDa, 37 kDa, 51 kDa, and 56 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yanchen Ma	34724258	Glia	WB
Yuliang Feng	36909530	bioRxiv	CoIP

## Stockage

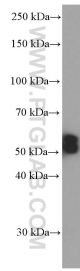
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

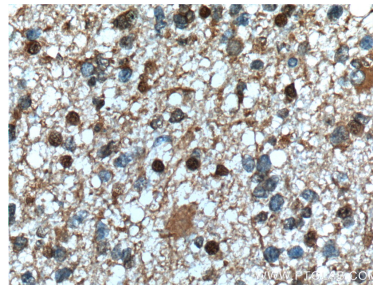
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Données de validation sélectionnées



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66341-1-Ig (PHF10 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66341-1-Ig (PHF10 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).