

À des fins de recherche uniquement

# Anticorps Monoclonal anti-PHF10

Numéro de catalogue: **CL488-66341**



## Informations de base

Numéro de catalogue: CL488-66341	Numéro d'acquisition GenBank: BC020954	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 55274	CloneNo.: 4D4C6
Hôte: Mouse	Nom complet: PHD finger protein 10	Dilutions recommandées: IF 1:50-1:500
Isotype: IgG1	MW calculé 408 aa, 46 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG19096	MW observés: 56 kDa, 35 kDa	

## Applications

Applications testées: IF	Contrôles positifs: IF : cellules HEK-293,
Spécificité de l'espèce: Humain	

## 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.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, 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:

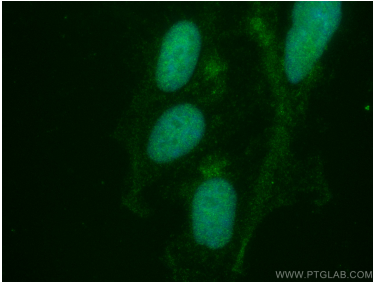
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## Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite®488 PHF10 antibody (CL488-66341, Clone: 4D4C6) at dilution of 1:100.