PHF10 Polyclonal antibody

Catalog Number:17145-1-AP

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Basic Information

Catalog Number: 17145-1-AP	**GenBank Accession Number:** BC020954	**Purification Method:** Antigen affinity purification
Size: 170 μg/ml	**GeneID (NCBI):** 55274	
Source: Rabbit	**UNIPROT ID:** Q8WUB8	
Isotype: IgG	**Full Name:** PHD finger protein 10	
Immunogen Catalog Number: AG10917	**Calculated MW:** 408 aa, 46 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human, mouse, rat

Background Information

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.

Storage

Storage:
Store at -20℃. 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

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