

## PHF10 polyclonal antibody

Catalog: BS91067

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Involved in transcription activity regulation by chromatin remodeling. 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

56 kDa

### Swiss-Prot:

Q8WUB8(Human) Q9D8M7(Mouse) Q4V7A6(Rat)

### Purification&Purity:

Protein affinity purified

### Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

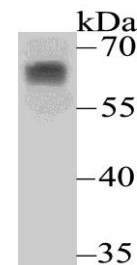
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

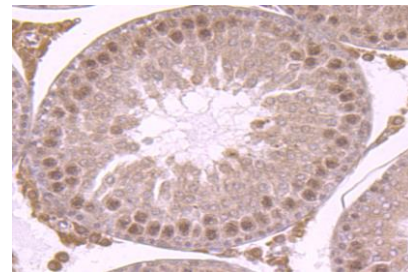
### Specificity:

PHF10 polyclonal antibody detects endogenous levels of PHF10 protein.

### DATA:



Western blot analysis of PHF10 on HeLa cell lysate using anti-PHF10 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-PHF10 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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