

Datasheet for ABIN7163042
anti-PHF1 antibody (AA 151-360)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	PHF1
Binding Specificity:	AA 151-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human PHD finger protein 10 protein (151-360AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PHF1
Alternative Name:	PHF1 (PHF1 Products)
Background:	Background: Involved in transcription activity regulation by chromatin remodeling. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and is required

Target Details

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 (By similarity).

Aliases: BAF45a antibody, BRG1-associated factor 45a antibody, FLJ10975 antibody, MGC111009 antibody, PHD finger protein 10 antibody, PHD finger protein 10, isoform a antibody, PHD zinc finger protein XAP135 antibody, Phf10 antibody, PHF10_HUMAN antibody, XAP135 antibody

UniProt: [Q8WUB8](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

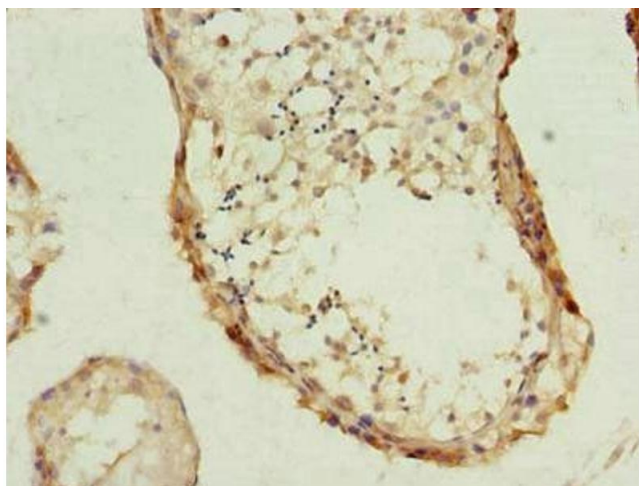
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

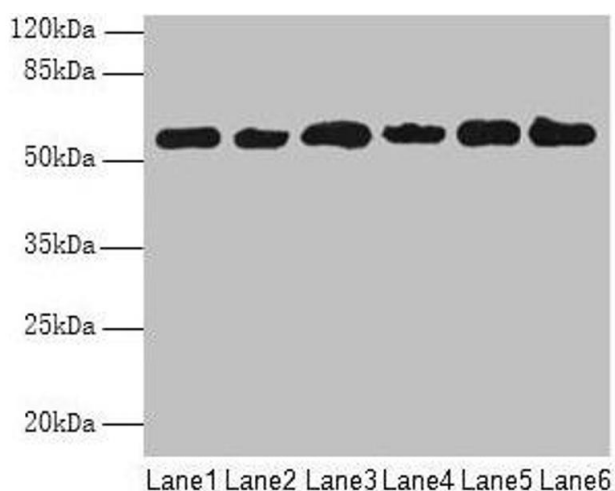
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



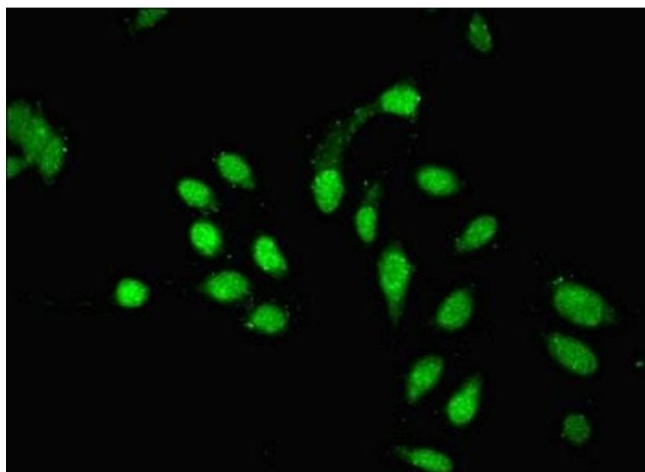
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7163042 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: PHF10 antibody at 8 µg/mL
 Lane 1: Hela whole cell lysate Lane 2: 293T whole cell lysate
 Lane 3: A2780 whole cell lysate Lane 4: U251 whole cell
 lysate Lane 5: A549 whole cell lysate Lane 6: A375 whole
 cell lysate Secondary Goat polyclonal to rabbit IgG at
 1/10000 dilution Predicted band size: 57, 56, 52 kDa
 Observed band size: 57 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells using ABIN7163042 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7163042.