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# PHF17 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13432a

## Product Information

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| **Application** | IHC-P, WB, E |
| **Primary Accession** | Q6IE81 |
| **Other Accession** | NP_079176.2 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB15092 |
| **Calculated MW** | 95533 |
| **Antigen Region** | 22-51 |

## Additional Information

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| **Gene ID** | 79960 |
| **Other Names** | Protein Jade-1, Jade family PHD finger protein 1, PHD finger protein 17, JADE1, KIAA1807, PHF17 |
| **Target/Specificity** | This PHF17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-51 amino acids from the N-terminal region of human PHF17. |
| **Dilution** | IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PHF17 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | JADE1 |
| **Synonyms** | KIAA1807, PHF17 |

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| **Function** | Scaffold subunit of some HBO1 complexes, which have a histone H4 acetyltransferase activity (PubMed:16387653, PubMed:19187766, PubMed:20129055, PubMed:24065767). Plays a key role in HBO1 complex by directing KAT7/HBO1 specificity towards histone H4 acetylation (H4K5ac, H4K8ac and H4K12ac), regulating DNA replication initiation, regulating DNA replication initiation (PubMed:20129055, PubMed:24065767). May also promote acetylation of nucleosomal histone H4 by KAT5 (PubMed:15502158). Promotes apoptosis (PubMed:16046545). May act as a renal tumor suppressor (PubMed:16046545). Negatively regulates canonical Wnt signaling; at least in part, cooperates with NPHP4 in this function (PubMed:22654112). |
| **Cellular Location** | Nucleus. Chromosome Cytoplasm Cytoplasm, cytoskeleton, cilium basal body. Note=Localizes to the ciliary transition zone. |
| **Tissue Location** | Highly expressed in kidney. Also present in pancreas, liver and heart (at protein level). Down-regulated in renal cancer cells. |

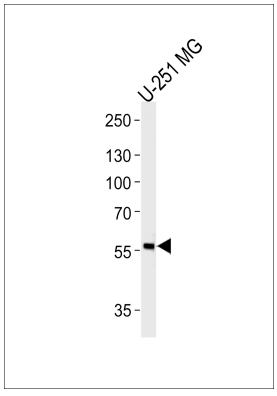
## Background

Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Transcriptional coactivator it may also promote acetylation of nucleosomal histone H4 by KAT5. Promotes apoptosis. May act as a renal tumor suppressor.

## References

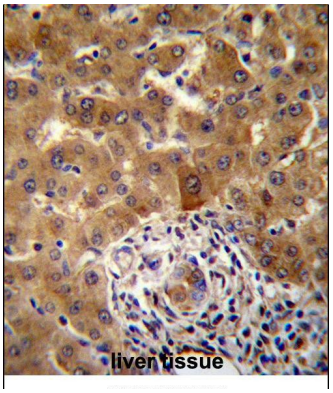

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Olsen, J.V., et al. Cell 127(3):635-648(2006)
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## Images




Western blot analysis of lysate from U-251 MG cell line, using PHF17 Antibody (N-term)(Cat. #AP13432a). AP13432a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

PHF17 Antibody (N-term) (Cat. #AP13432a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PHF17 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.




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