

PHF17 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13432a**Specification**

PHF17 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q6IE81](#)**PHF17 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79960**Other Names**

Protein Jade-1, Jade family PHD finger protein 1, PHD finger protein 17, JADE1, KIAA1807, PHF17

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13432a was selected from the N-term region of PHF17. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PHF17 Antibody (N-term) Blocking peptide - Protein Information**Name** JADE1**Synonyms** KIAA1807, PHF17**Function**

Scaffold subunit of some HBO1 complexes, which have a histone H4 acetyltransferase activity (PubMed: [16387653](http://www.uniprot.org/citations/16387653)), PubMed: [19187766](http://www.uniprot.org/citations/19187766), PubMed: [20129055](http://www.uniprot.org/citations/20129055), PubMed: [24065767](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/20129055), PubMed: [24065767](http://www.uniprot.org/citations/24065767)). May also promote acetylation of nucleosomal histone H4 by KAT5 (PubMed: [15502158](http://www.uniprot.org/citations/15502158))

target="_blank">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.

PHF17 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PHF17 Antibody (N-term) Blocking peptide - Images**PHF17 Antibody (N-term) Blocking peptide - 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.

PHF17 Antibody (N-term) Blocking peptide - References

Foy, R.L., et al. J. Biol. Chem. 283(43):28817-28826(2008)Chitalia, V.C., et al. Nat. Cell Biol. 10(10):1208-1216(2008)Olsen, J.V., et al. Cell 127(3):635-648(2006)Lim, J., et al. Cell 125(4):801-814(2006)Doyon, Y., et al. Mol. Cell 21(1):51-64(2006)