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PHF13 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5064b

Specification

PHF13 Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q86YI8
Other Accession	Q8K2W6
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33582**
Antigen Region	**263-291**

PHF13 Antibody (C-term) - Additional Information

Gene ID 148479

Other Names
PHD finger protein 13, Survival time-associated PHD finger protein in ovarian cancer 1, SPOC1, PHF13

Target/Specificity
This PHF13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-291 amino acids from the C-terminal region of human PHF13.

Dilution
IHC-P~~1:50~100
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
PHF13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PHF13 Antibody (C-term) - Protein Information

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Name PHF13 (HGNC:22983)

Function Modulates chromatin structure and DNA damage response by regulating key determinants of chromatin compaction and DNA damage response (PubMed:19638409). Binds H3K4me3-containing chromatin and promotes DNA condensation by recruiting corepressors such as TRIM28 and H3K9 methyltransferase SETDB1 (PubMed:23034801). Required for normal chromosome condensation during the early stages of mitosis. Required for normal chromosome separation during mitosis (PubMed:19638409). Increases both chromatin-associated levels and activity of H3K9 methyltransferases, such as SETDB1, thus enhancing H3K9 trimethylation (PubMed:23034801). Essential for testicular stem-cell differentiation and sustained spermatogenesis (By similarity).

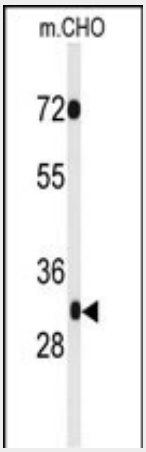
Cellular Location
Nucleus. Nucleus, nucleoplasm. Note=Predominantly bound to chromatin, but a minor proportion is also detected in the nucleoplasm

PHF13 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PHF13 Antibody (C-term) - Images



Western blot analysis of PHF13 Antibody (C-term) (Cat. #AP5064b) in CHO cell line lysates (35ug/lane).PHF13(arrow) was detected using the purified Pab.

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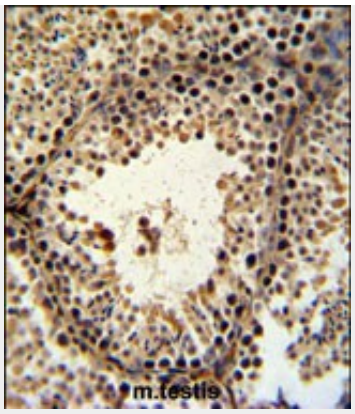

PHF13 Antibody (C-term) (Cat. #AP5064b) IHC analysis in formalin fixed and paraffin embedded mouse testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PHF13 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PHF13 Antibody (C-term) - Background

PHF13 contains 1 PHD-type zinc finger. The function of PHF13 is currently unknown.

PHF13 Antibody (C-term) - References

Kinkley, S., et al. J. Cell. Sci. 122 (PT 16), 2946-2956 (2009)
Mohrmann, G., et al. Int. J. Cancer 116(4):547-554(2005)