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PHF13 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP5064b

Specification

PHF13 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q86YI8

PHF13 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 148479

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

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.

PHF13 Antibody (C-term) Blocking Peptide - Protein Information

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

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PHF13 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PHF13 Antibody (C-term) Blocking Peptide - Images

PHF13 Antibody (C-term) Blocking Peptide - Background

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

PHF13 Antibody (C-term) Blocking Peptide - 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)