10320 Camino Santa Fe, Suite G
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PHF14 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13048a

Specification

PHF14 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	O94880
Other Accession	NP_055475.2

PHF14 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 9678

Other Names
PHD finger protein 14, PHF14, KIAA0783

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.

PHF14 Antibody (N-term) Blocking peptide - Protein Information

Name PHF14

Synonyms KIAA0783

Function
Histone-binding protein (PubMed:23688586). Binds preferentially to unmodified histone H3 but can also bind to a lesser extent to histone H3 trimethylated at 'Lys-9' (H3K9me3) as well as to histone H3 monomethylated at 'Lys-27' (H3K27ac) and trimethylated at 'Lys-27' (H3K27me3) (By similarity). Represses PDGFRA expression, thus playing a role in regulation of mesenchymal cell proliferation (By similarity). Suppresses the expression of CDKN1A/p21 by reducing the level of trimethylation of histone H3 'Lys-4', leading to enhanced proliferation of germinal center B cells (By similarity).

Cellular Location
[Isoform 1]: Nucleus. Chromosome. Note=Mainly localized in the nucleus of interphase cells. In mitotic cells, colocalizes with condensed chromatin during metaphase and anaphase.

PHF14 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

PHF14 Antibody (N-term) Blocking peptide - Images

PHF14 Antibody (N-term) Blocking peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)