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PHF14 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13048a

Specification

PHF14 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O94880
Other Accession	NP_055475.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**106986**
Antigen Region	**231-260**

PHF14 Antibody (N-term) - Additional Information

Gene ID 9678

Other Names
PHD finger protein 14, PHF14, KIAA0783

Target/Specificity
This PHF14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the N-terminal region of human PHF14.

Dilution
WB~~1:1000

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
PHF14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PHF14 Antibody (N-term) - 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).

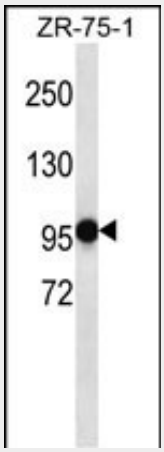
Cellular Location
[Isoform 1]: Nucleus. Chromosome. Note=Mainly localized in the nucleus of interphase cells. In mitotic cells, colocalizes with condensed chromatin during metaphase and anaphase.

PHF14 Antibody (N-term) - 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

PHF14 Antibody (N-term) - Images



PHF14 Antibody (N-term) (Cat. #AP13048a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PHF14 antibody detected the PHF14 protein (arrow).

PHF14 Antibody (N-term) - 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)