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PHF14 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13048a

Product Information

Application	WB, E
Primary Accession	O94880
Other Accession	NP_055475.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32914
Calculated MW	106986
Antigen Region	231-260

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

Protein Information

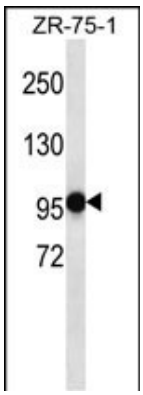
Name	PHF14
Synonyms	KIAA0783
Function	Histone-binding protein (PubMed: 23688586). Binds preferentially to

	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.

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.