

PHF14 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16035**Specification**

PHF14 Antibody (N-Terminus) - Product Information

Application	WB, IF, IHC
Primary Accession	O94880
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100kDa KDa

PHF14 Antibody (N-Terminus) - Additional Information**Gene ID** 9678**Other Names**

PHD finger protein 14, PHF14, KIAA0783

Target/Specificity

PHF14 antibody is human, mouse and rat reactive. Multiple isoforms of PHF14 are known to exist.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

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

PHF14 Antibody (N-Terminus) - 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

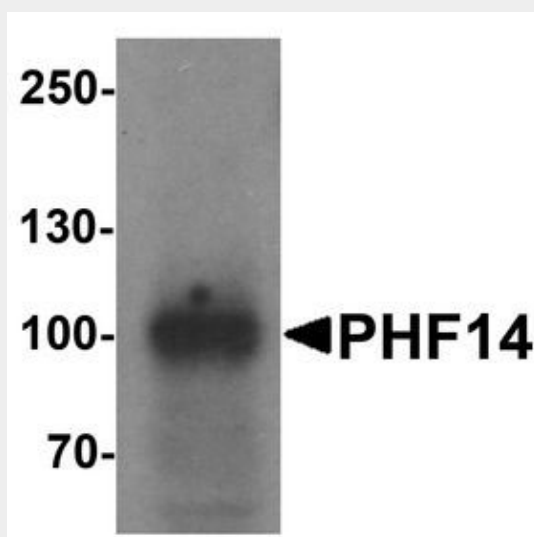
[Isoform 1]: Nucleus. Chromosome. Note=Mainly localized in the nucleus of interphase cells. In mitotic cells, colocalizes with condensed chromatin during metaphase and anaphase.

PHF14 Antibody (N-Terminus) - Protocols

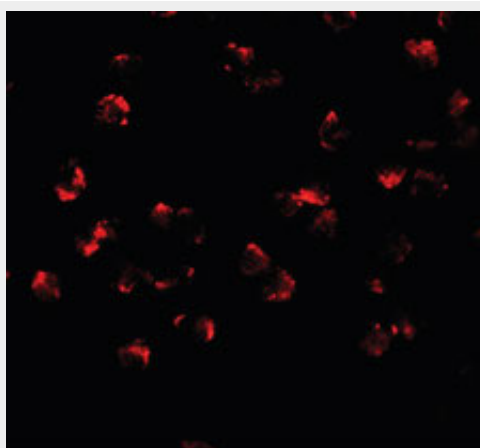
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

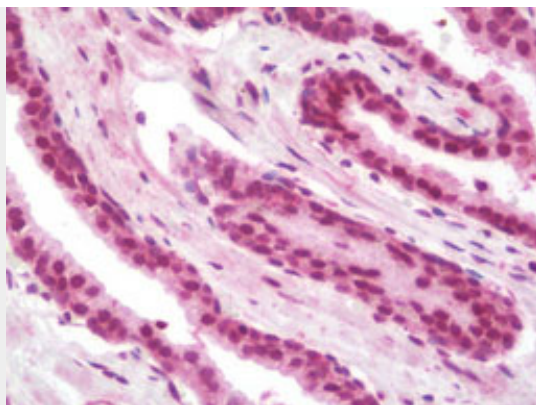
PHF14 Antibody (N-Terminus) - Images



Western blot analysis of PHF14 in 293 cell lysate with PHF14 antibody at 1 ug/ml.



Immunofluorescence of PHF14 in 293 cells with PHF14 antibody at 5 ug/ml.



Anti-PHF14 antibody IHC staining of human prostate.

PHF14 Antibody (N-Terminus) - References

- Nagase T.,et al.DNA Res. 5:277-286(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Olsen J.V.,et al.Cell 127:635-648(2006).