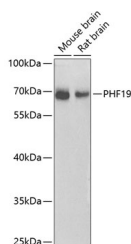


PHF19 Polyclonal Antibody

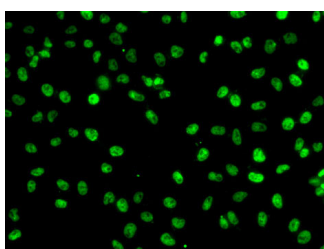
Catalog No.	E-AB-62410	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of extracts of various cell lines using PHF19 Polyclonal Antibody at 1:1000 dilution.



Immunofluorescence analysis of A-549 cells using PHF19 Polyclonal Antibody

Immunogen Information

Immunogen	Recombinant fusion protein of human PHF19
GeneID	26147
Swissprot	Q5T6S3
Synonyms	PHF19,MTF2L1,PCL3,TDRD19B

Product Information

Calculated MW	14kDa/22kDa/65kDa
Observed MW	66kDa
Buffer	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000,IF 1:50-1:100

Background

Polycomb group (PcG) protein that specifically binds histone H3 trimethylated at 'Lys-36' (H3K36me3) and recruits the PRC2 complex, thus enhancing PRC2 H3K27me3 methylation activity. Probably involved in the transition from an active state to a repressed state in embryonic stem cells: acts by binding to H3K36me3, a mark for transcriptional activation, and recruiting H3K36me3 histone demethylases RIOX1 or KDM2B, leading to demethylation of H3K36 and recruitment of the PRC2 complex that mediates H3K27me3 methylation, followed by de novo silencing. Recruits the PRC2 complex to CpG islands and contributes to embryonic stem cell self-renewal. Also binds histone H3 dimethylated at 'Lys-36' (H3K36me2). Isoform 1 and isoform 2 inhibit transcription from an HSV-tk promoter.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.