Product Name: PHF8 Rabbit Monoclonal Antibody
Catalog #: AMRe84004
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.59mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:2000,ICC 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 118 kDa ; Observed MW: 140 kDa

Antigen Information

Gene Name	PHF8
Alternative Names	Histone lysine demethylase PHF8; MRXSSD; PHD finger protein 8; PHF8; ZNF422;;PHF8
Gene ID	
SwissProt ID	Q9UPP1
Immunogen	A synthesized peptide derived from human PHF8

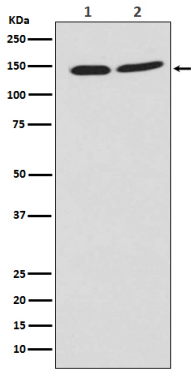
Background

Histone lysine demethylase with selectivity for the di- and monomethyl states that plays a key role cell cycle progression, rDNA transcription and brain development. Demethylates mono- and dimethylated histone H3 'Lys-9' residue (H3K9Me1 and

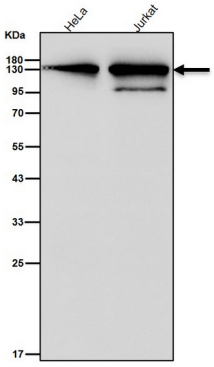
H3K9Me2), dimethylated H3 'Lys-27' (H3K27Me2) and monomethylated histone H4 'Lys-20' residue (H4K20Me1). Acts as a transcription activator as H3K9Me1, H3K9Me2, H3K27Me2 and H4K20Me1 are epigenetic repressive marks. Involved in cell cycle progression by being required to control G1-S transition.

Research Area

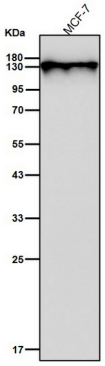
Image Data



Western blot analysis of PHF8 expression in (1) Jurkat cell lysate; (2) NIH/3T3 cell lysate.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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