

Cat. No:	MABN84004
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human PHF8
Reactivity:	Human,Mouse,Rat
Applications:	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
Purification:	Affinity Purification
Synonyms:	Histone lysine demethylase PHF8; MRXSSD; PHD finger protein 8; PHF8; ZNF422;;PHF8
Background:	<p>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.</p>
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide,0.05% BSA and 50% glycerol.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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