

PHF2 (D45A2) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	150	Rabbit IgG	#O75151	5253
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
	Immunoprecipitation					1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.					
Specificity/Sensitivity	PHF2 (D45A2) Rabbit mAb detects endogenous levels of total PHF2 protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp585 human PHF2 protein.					
Background	Plant homeodomain (PHD) finger protein 2 (PHF2) is a putative transcription factor. PHF2 contains a zinc finger-like PHD domain that is distinct from other classes of zinc finger motifs and is often found in proteins that influence chromatin structure (1). It also contains a Jumonji C (JmJC) domain, which may play a role in histone demethylation (2). The PHF2 gene is ubiquitously expressed in adult mouse tissues; however, the majority of PHF2 expression in the mouse embryo occurs in the neural tube and root ganglia (1). PHF2 mutations have been associated with both early- and late-onset breast carcinoma (3).					
Background References	1. Hasenpusch-Theil, K. et al. (1999) <i>Mamm Genome</i> 10, 294-8. 2. Klose, R.J. et al. (2006) <i>Nat Rev Genet</i> 7, 715-27. 3. Sinha, S. et al. (2008) <i>Mol Cancer</i> 7, 84.					

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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