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## PHF2 (D45A2) Rabbit mAb

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, IP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 150	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #O75151	<b>Entrez-Gene Id:</b> 5253
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting Immunoprecipitation	<b>Dilution</b> 1:1000 1:50
<b>Storage</b>	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.	
<b>Specificity/Sensitivity</b>	PHF2 (D45A2) Rabbit mAb detects endogenous levels of total PHF2 protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp585 human PHF2 protein.	
<b>Background</b>	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).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Hasenpusch-Theil, K. et al. (1999) <i>Mamm Genome</i> 10, 294-8.</li> <li>2. Klose, R.J. et al. (2006) <i>Nat Rev Genet</i> 7, 715-27.</li> <li>3. Sinha, S. et al. (2008) <i>Mol Cancer</i> 7, 84.</li> </ol>	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Western Blot Buffer</b>	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.	
<b>Applications Key</b>	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation	
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>M:</b> Mouse <b>R:</b> Rat <b>Mk:</b> Monkey	
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