

#3497 Store at -20°C

PHF2 (D45A2) Rabbit mAb**Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R Mk	Endogenous	150	Rabbit IgG	#O75151	5253

Product Usage Information**Application**

Western Blotting

Immunoprecipitation

Dilution

1:1000

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 the 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) *Mamm Genome* 10, 294-8.
2. Klose, R.J. et al. (2006) *Nat Rev Genet* 7, 715-27.
3. Sinha, S. et al. (2008) *Mol Cancer* 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**WB:** Western Blotting **IP:** Immunoprecipitation**Cross-Reactivity Key**

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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