

# Product Data Sheet

## Recombinant Anti-P4H-TM Rabbit mAb

Catalog #	Source	Reactivity	Applications
CMA4079	Rabbit	H	WB, IH
<b>Description</b>	Recombinant rabbit monoclonal antibody to P4H-TM		
<b>Immunogen</b>	KLH-conjugated synthetic peptide encompassing a sequence within human P4H-TM. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of P4H-TM protein		
<b>Clonality</b>	Monoclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IH (1/50 - 1/200)		
<b>Gene Symbol</b>	P4HTM		
<b>Alternative Names</b>	PH4; Transmembrane prolyl 4-hydroxylase; P4H-TM; Hypoxia-inducible factor prolyl hydroxylase 4; HIF-PH4; HIF-prolyl hydroxylase 4; HPH-4		
<b>Entrez Gene</b>	54681 (Human)		
<b>SwissProt</b>	Q9NXG6 (Human)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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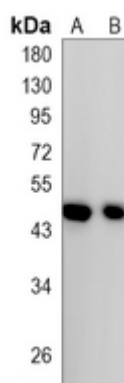
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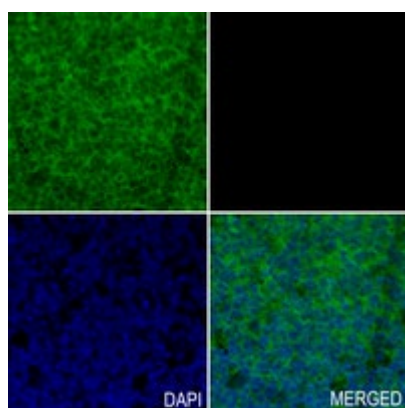
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Western blot analysis of P4H-TM expression in HEK293T (A), MCF7 (B) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 47 kD)



Immunohistochemical analysis of P4H-TM staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).

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