



[Go to Product page](#)

Datasheet for ABIN5004834

## anti-P4HTM antibody (AA 201-300) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	P4HTM
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HTM antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HIFPH4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Pig, Horse
Purification:	Purified by Protein A.

### Target Details

Target:	P4HTM
Alternative Name:	HPH4 ( <a href="#">P4HTM Products</a> )
Background:	Synonyms: EGLN4, H prolyl hydroxylase PH4, H-PH4, H-prolyl hydroxylase 4, HPH4, HPH-4,

## Target Details

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Hypoxia inducible factor prolyl 4 hydroxylase, Hypoxia inducible factor prolyl hydroxylase, Hypoxia-inducible factor prolyl hydroxylase 4, P4H TM, P4H with transmembrane domain, P4H-TM, P4htm, P4HTM\_HUMAN, PH 4, PH4, PHD4, Proline 4 hydroxylase, Prolyl 4 hydroxylase transmembrane endoplasmic reticulum, Prolyl hydroxylase domain containing 4, Transmembrane prolyl 4-hydroxylase.

Background: Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months