

Nur für Forschungszwecke

P4HA1 Monoklonaler Antikörper

Katalog-Nr.: 66101-1-Ig

Vorgestelltes Produkt

3 Publikationen



Allgemeine Informationen

Katalog-Nr.:

66101-1-Ig

Größe:

150ul, Konzentration: 1200 µg/ml von 5033

Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG1

Immunogen Katalognummer:

AG17867

GenBank-Zugangsnummer:

BC034998

GeneID (NCBI):

5033

Vollständiger Name:

prolyl 4-hydroxylase, alpha polypeptide I

Berechnete Masse:

534 aa, 61 kDa

Beobachtete Masse:

61 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

1H10A6

Empfohlene Verdünnungen:

WB 1:500-1:2000

IHC 1:200-1:1000

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: PC-3-Zellen, 4T1-Zellen, HEK-293-Zellen, HeLa-Zellen, MCF-7-Zellen, Neuro-2a-Zellen, NIH/3T3-Zellen, Rattenlebergewebe, ROS1728-Zellen

IHC: humanes Mammakarzinomgewebe, humanes Hodengewebe

IF: PC-3-Zellen,

Hintergrundinformationen

P4HA1 (Prolyl 4-hydroxylase subunit alpha-1) is also named as P4HA and belongs to the P4HA family, which play a central role in collagen synthesis. P4HA1 catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. The gene encodes a polypeptide of 517 amino acid residues and a signal peptide of 17 amino acids and the full length protein has two glycosylation sites (uniprot). It can exist as a heteromer, dimer or tetramer (refer to: GENATLAS). P4HA1 has 3 isoforms produced by alternative splicing with the molecular weight of 61 kDa, 61 kDa and 59 kDa. This antibody is specific to P4HA1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Johanna Eriksson	32053263	Mol Oncol	WB, IHC
Chenghao Zhanghuang	35558559	Front Mol Biosci	WB
Xiangming Han	35494018	Front Oncol	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

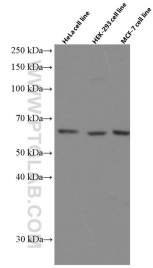
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

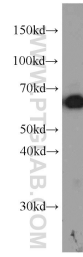
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

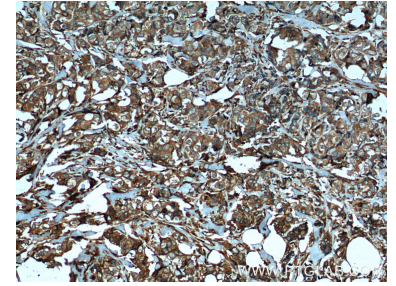
Ausgewählte Validierungsdaten



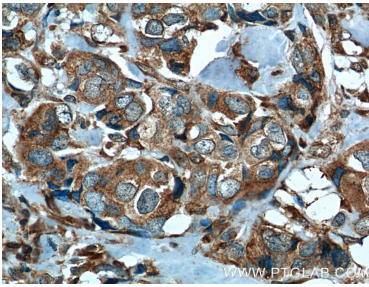
Various lysates were subjected to SDS PAGE followed by western blot with 66101-1-Ig (P4HA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



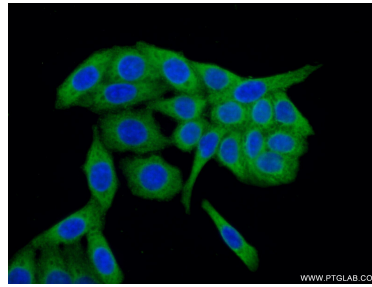
PC-3 cells were subjected to SDS PAGE followed by western blot with 66101-1-Ig (P4HA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66101-1-Ig (P4HA1 Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66101-1-Ig (P4HA1 Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 66101-1-Ig(P4HA1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).