

Nur für Forschungszwecke

P4HA1 Polyklonaler Antikörper

Katalog-Nr.:12658-1-AP

Vorgestelltes Produkt

18 Publikationen



Allgemeine Informationen

| | | |
|---|---|--|
| Katalog-Nr.: 12658-1-AP | GenBank-Zugangsnummer: BC034998 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop; | GeneID (NCBI): 5033 | Empfohlene Verdünnungen: WB 1:2000-1:10000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB |
| Wirt: Kaninchen | Vollständiger Name: prolyl 4-hydroxylase, alpha polypeptide I | IHC 1:50-1:500 IF 1:50-1:500 |
| Isotyp: IgG | Berechnete Masse: 534 aa, 61 kDa | |
| Immunogen Katalognummer: AG3292 | Beobachtete Masse: 61 kDa | |

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB: A431-Zellen, BGC-823-Zellen, HT-1080.Zellen, humanes Herzgewebe, NIH/3T3-Zellen, PC-3-Zellen, Rattenhautgewebe

IP: A431-Zellen,

IHC: humanes Pankreaskarzinomgewebe, humanes Mammakarzinomgewebe

IF: A431-Zellen,

Hintergrundinformationen

P4HA1 (Prolyl 4-hydroxylase subunit alpha-1) is also known as P4HA and belongs to the P4HA family, which plays 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 some isoforms with the MW 61-63 kDa and 57-59 kDa.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------|-----------|-------------------|-----------|
| Yue Ning | 34659558 | J Cancer | WB,IHC |
| Xiaowei Xue | 32436609 | Cancer Med | WB |
| Mengkai Yang | 33952718 | Aging (Albany NY) | 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

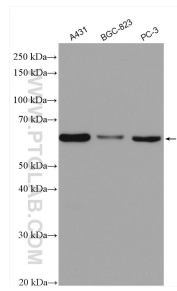
For technical support and original validation data for this product please contact:

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

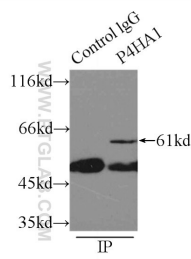
E: proteintech@ptglab.com
W: ptglab.com

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

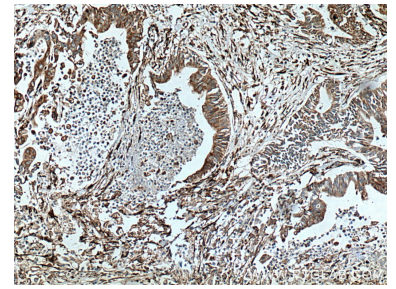
Ausgewählte Validierungsdaten



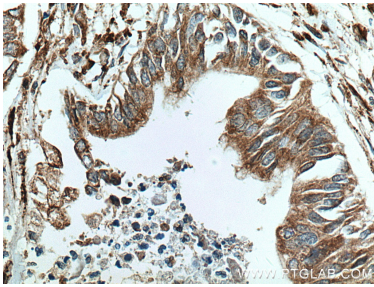
Various lysates were subjected to SDS PAGE followed by western blot with 12658-1-AP (P4HA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



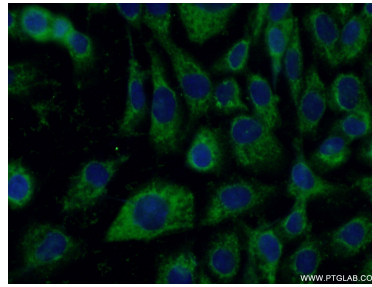
IP Result of anti-P4HA1 (IP:12658-1-AP, 3ug; Detection:12658-1-AP 1:600) with A431 cells lysate 3300ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12658-1-AP (P4HA1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12658-1-AP (P4HA1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 12658-1-AP (P4HA1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).