USA: proteintech@ptglab.com

Europe: europe@ptglab.com

China: service@ptglab.com

P4HA2 Polyclonal Antibody

Catalog number: 13759-1-AP

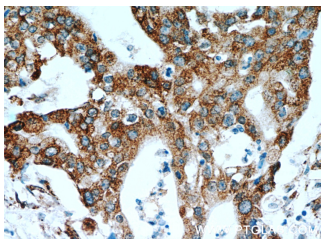
Size: 26 µg/150 µl

Source: Rabbit

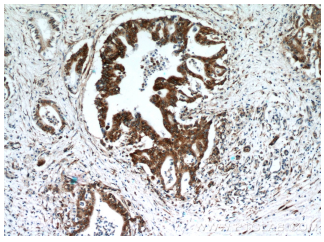
Isotype: IgG

Synonyms:

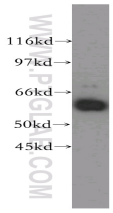
P4HA2; 4 PH alpha 2, P4HA2



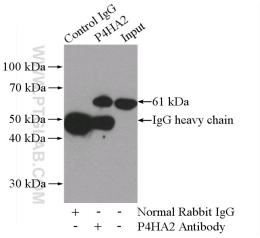
Immunohistochemical of paraffin-embedded human pancreas cancer using 13759-1-AP(P4HA2 antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemical of paraffin-embedded human pancreas cancer using 13759-1-AP(P4HA2 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 13759-1-AP(P4HA2 antibody) at dilution of 1:500



IP Result of anti-P4HA2 (IP:13759-1-AP, 4ug; Detection:13759-1-AP 1:1000) with HeLa cells lysate 1200ug.

Background

Prolyl 4-hydroxylase catalyzes the posttranslational formation of 4-hydroxyproline in collagens. The vertebrate enzyme is a tetramer of 2 alpha subunits and 2 beta subunits. P4HA2 is one of at least 2 alpha subunit isoforms. It catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. This pprotein has 2 isoforms produced by alternative splicing.

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated P4HA2 MW:	**533aa,61 kDa**
Observed P4HA2 MW:	**61 kDa**
Positive WB detected in	**HeLa cells, human placenta tissue**
Positive IP detected in	**HeLa cells**
Positive IHC detected in	**Human pancreas cancer tissue, human cervical cancer tissue**
Recommended dilution:	**WB: 1:500-1:5000** **IP: 1:500-1:5000** **IHC: 1:20-1:200**

Application key: WB = Western blotting, IHC= Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag4714**
GenBank accession number:	**BC035813**
Gene ID (NCBI):	**8974**
Full name:	**Prolyl 4-hydroxylase, alpha polypeptide II**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**