

Nur für Forschungszwecke

# HRPT2, CDC73 Polyklonaler Antikörper



Katalog-Nr.:12310-1-AP

Vorgestelltes Produkt

## Allgemeine Informationen

**Katalog-Nr.:**

12310-1-AP

**Größe:**

150ul, Konzentration: 400 µg/ml von Nanodrop;

**Wirt:**

Kaninchen

**Isotyp:**

IgG

**Immunogen Katalognummer:**

AG2959

**GenBank-Zugangsnummer:**

BC014351

**GeneID (NCBI):**

79577

**Vollständiger Name:**

cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)

**Berechnete Masse:**

531 aa, 61 kDa

**Beobachtete Masse:**

61 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:1000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:50-1:500

IF 1:200-1:800

## Anwendungen

**Geprüfte Anwendungen:**

IF, IHC, IP, WB, ELISA

**Getestete Reaktivität:**

Human, Maus, Ratte

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

**Positivkontrollen:**

WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen

IP : Maushodengewebe,

IHC : humanes Mammakarzinomgewebe,

IF : HeLa-Zellen,

## Hintergrundinformationen

Parafibromin is a product of the hyperparathyroidism-jaw tumor syndrome gene HRPT2/CDC73, a putative tumor suppressor gene recently implicated in the autosomal dominant hyperparathyroidism-jaw tumor familial cancer syndrome, sporadic parathyroid cancer, and a minority of families with isolated hyperparathyroidism (PMID: 15580289). Defects in CDC73 are causes of hyperparathyroidism type 1 (HRPT1) and hyperparathyroidism type 2 (HRPT2) as well as parathyroid carcinoma (PRTC) (PMID: 12434154). Tumor suppressor parafibromin to the transcription elongation and RNA processing pathway as a PAF1 complex- and RNA polymerase II-bound protein (PMID: 15923622). Besides, parafibromin is also involved in post-transcriptional control pathways (PMID: 16116486). Recent report has revealed that pathogenic mutation, such as CDC73 gene mutation, is able to affect histone monoubiquitination (PMID: 22021426).

## 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

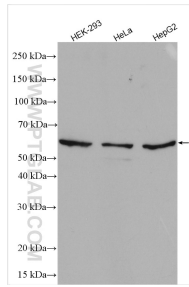
For technical support and original validation data for this product please contact:

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

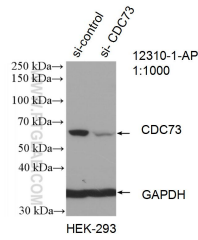
E: proteintech@ptglab.com  
W: ptglab.com

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

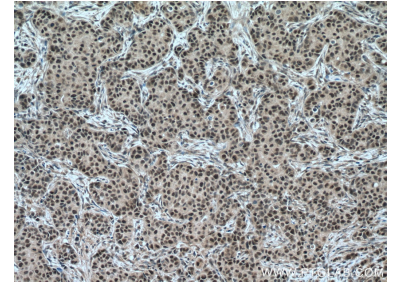
## Ausgewählte Validierungsdaten



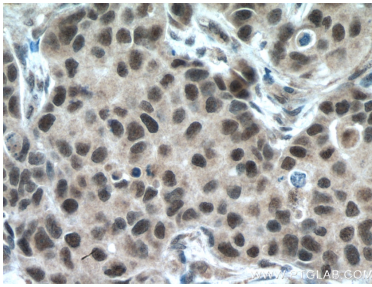
Various lysates were subjected to SDS PAGE followed by western blot with 12310-1-AP (HRPT2, CDC73 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



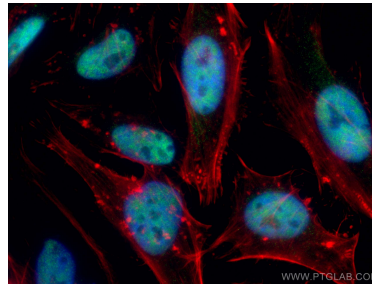
WB result of HRPT2, CDC73 antibody (12310-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HRPT2, CDC73 transfected HEK-293 cells.



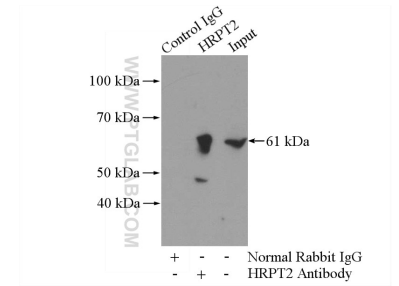
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12310-1-AP (HRPT2, CDC73 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12310-1-AP (HRPT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HRPT2, CDC73 antibody (12310-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP result of anti-HRPT2, CDC73 (IP:12310-1-AP, 4ug; Detection:12310-1-AP 1:500) with mouse testis tissue lysate 4000 ug.