

Nur für Forschungszwecke

# HRPT2, CDC73 Monoklonaler Antikörper



Katalog-Nr.: 66490-1-Ig

Vorgestelltes Produkt

2 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66490-1-Ig	<b>GenBank-Zugangsnummer:</b> BC014351	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1500 µg/ml von 79577 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> Vollständiger Name: cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	<b>CloneNo.:</b> 4B4H2
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 531 aa, 61 kDa	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:20000 IHC 1:200-1:800 IF 1:50-1:500
<b>Isotyp:</b> IgG2a	<b>Beobachtete Masse:</b> 61 kDa	
<b>Immunogen Katalognummer:</b> AG2959		

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB: HeLa-Zellen, Caco-2-Zellen, Hausschwein-Hirngewebe, HEK-293-Zellen, Maushirngewebe, RAW 264.7-Zellen
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	<b>IHC:</b> humanes Mammakarzinomgewebe,
<b>Getestete Reaktivität:</b> Hausschwein, Human, Maus, Ratte	<b>IF:</b> humanes Mammakarzinomgewebe,
<b>Zitierte Arten:</b> Maus	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## 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).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yabo Ma	36414229	J Proteomics	WB
Naomi Hatabu	30739106	Horm Res Paediatr	IHC

## Lagerung

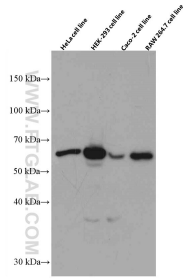
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

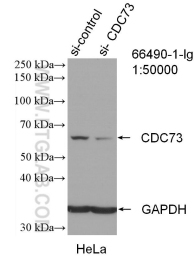
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

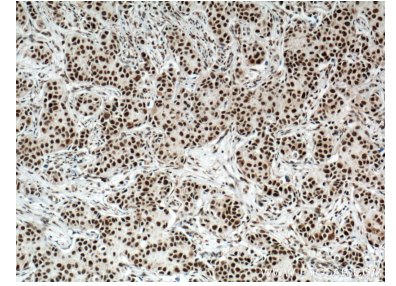
## Ausgewählte Validierungsdaten



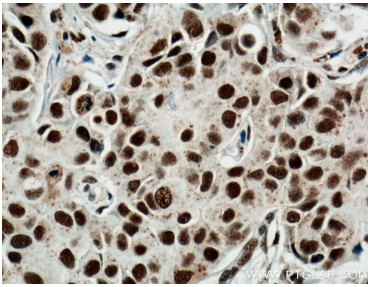
Various lysates were subjected to SDS PAGE followed by western blot with 66490-1-Ig (HRPT2, CDC73 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



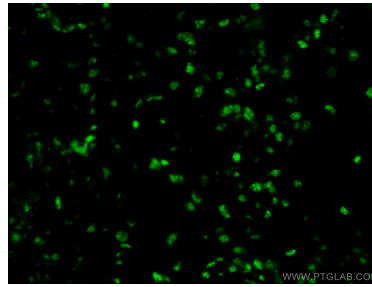
WB result of HRPT2, CDC73 antibody (66490-1-Ig; 1:50000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HRPT2, CDC73 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66490-1-Ig (HRPT2, CDC73 antibody) at dilution of 1:400 (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 66490-1-Ig (HRPT2; CDC73 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using HRPT2, CDC73 antibody (66490-1-Ig, Clone: 4B4H2) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).