

## Allgemeine Informationen

**Katalog-Nr.:**  
12093-1-AP

**Größe:**  
150ul , Konzentration: 500 µg/ml von Nanodrop und 253 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG2734

**GenBank-Zugangsnummer:**  
BC009737

**GeneID (NCBI):**  
79876

**Vollständiger Name:**  
ubiquitin-like modifier activating enzyme 5

**Berechnete Masse:**  
404 aa, 45 kDa

**Beobachtete Masse:**  
45 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:3000  
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB  
IHC 1:50-1:500  
IF 1:10-1:100

## Anwendungen

**Geprüfte Anwendungen:**

FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, WB

**Getestete Reaktivität:**

Human, Maus

**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 :** HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen

**IP :** HeLa-Zellen,

**IHC :** humanes Kolonkarzinomgewebe,

**IF :** HepG2-Zellen, HeLa-Zellen

## Hintergrundinformationen

UBA5(Ubiquitin-like modifier-activating enzyme 5) is also named as UBE1DC1,ThiFP1.It has been detected highest UBE1DC1 expression in spleen, high expression in most other tissues examined, and low expression in colon, prostate, brain, and ovary by RT-PCR analysis(PMID:16328888).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Franziska Eck	32843575	J Cell Sci	IF
Estelle Colin	27545681	Am J Hum Genet	WB
James M Gavin	24966333	J Biol Chem	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**

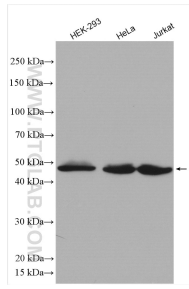
For technical support and original validation data for this product please contact:

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

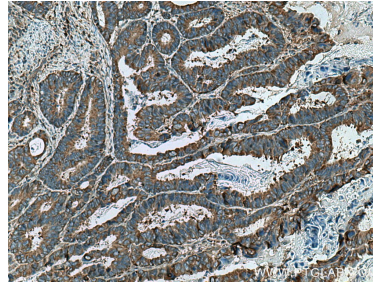
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

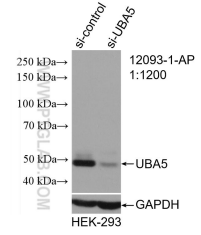
## Ausgewählte Validierungsdaten



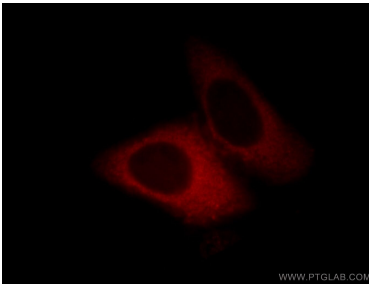
Various lysates were subjected to SDS PAGE followed by western blot with 12093-1-AP (UBA5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



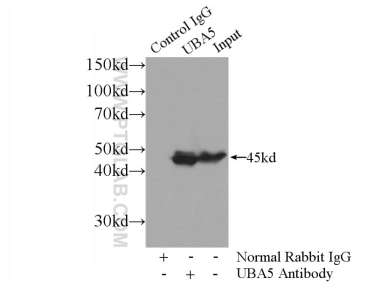
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12093-1-AP (UBA5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



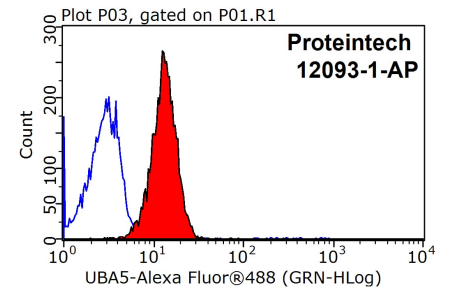
WB result of UBA5 antibody (12093-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBA5 transfected HEK-293 cells.



Immunofluorescent analysis of HepG2 cells, using UBA5 antibody 12093-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-UBA5 (IP:12093-1-AP, 4ug; Detection:12093-1-AP 1:1000) with HeLa cells lysate 1800ug.



1X10<sup>6</sup> HeLa cells were stained with 0.2ug UBA5 antibody (12093-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.