

## Allgemeine Informationen

Katalog-Nr.:  
14627-1-AP

Größe:  
150ul, Konzentration: 500 µg/ml von  
Nanodrop und 133 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG6202

GenBank-Zugangsnummer:  
BC065030

GeneID (NCBI):  
89781

Vollständiger Name:  
Hermansky-Pudlak syndrome 4

Berechnete Masse:  
77 kDa

Beobachtete Masse:  
70-90 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 1:10-1:100

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB: Jurkat-Zellen, A375-Zellen, HeLa-Zellen, K-562-Zellen

IP: HeLa-Zellen, IP result of anti-HPS4 (14627-1-AP for IP and Detection) with HeLa cell lysate.

IHC: humanes Lebergewebe,

IF: HepG2-Zellen,

## Hintergrundinformationen

Hermansky-Pudlak syndrome (HPS) is a genetic disease characterized by oculocutaneous albinism, bleeding due to platelet storage pool deficiency, and lysosomal storage defects. This syndrome results from defects of diverse cytoplasmic organelles including melanosomes, platelet dense granules and lysosomes. HPS1 and HPS4 are the most frequently mutated genes associated with HPS in humans. Both of HPS1 and HPS4 are components of two complexes involved in biogenesis of melanosome and lysosome-related organelles: BLOC-3 and BLOC-4. HPS4 is supposed to interact with HPS1 and stabilize HPS1. The human HPS4 migrates at about 90 kDa on SDS-PAGE, versus its predicted molecular mass of 77 kDa.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Seunghyi Kook	29190429	Am J Respir Cell Mol Biol	WB
Trieu-Duc Vu	35504437	Gene	WB
Joshi Stephen	28296950	PLoS One	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:

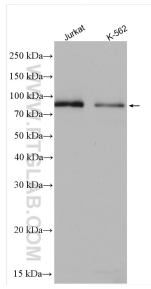
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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

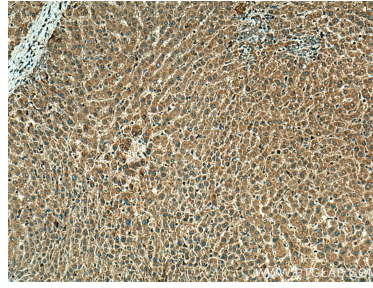
W: [ptglab.com](http://ptglab.com)

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

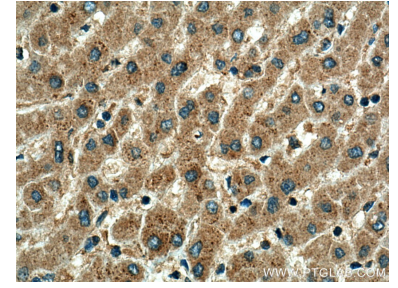
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 14627-1-AP (HPS4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.

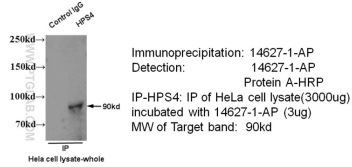


Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14627-1-AP (HPS4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

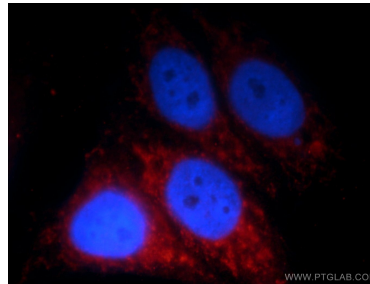


Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14627-1-AP (HPS4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

### IP & WB of 14627-1-AP with HeLa Cell



N/A.



Immunofluorescent analysis of HepG2 cells, using HPS4 antibody 14627-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).