



[Go to Product page](#)

Datasheet for ABIN7267623  
**anti-HPS4 antibody (AA 550-650)**

3 Images

Overview

Quantity:	100 µL
Target:	HPS4
Binding Specificity:	AA 550-650
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HPS4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	HPS4 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 550-650 of human HPS4 (NP_690054.1).
Sequence:	LLAEEPLLGD SAAIEEVYHS SLASLNGLEV HLKETLPRDE AASTSSTYNF THYDRIQSL MANLPQVATP QDRRFLQAVS LMHSEFAQLP ALYEMTVRNA S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	HPS4
Alternative Name:	HPS4 ( <a href="#">HPS4 Products</a> )
Background:	This gene encodes a protein component of biogenesis of lysosome-related organelles complexes (BLOC). BLOC complexes are important for the formation of endosomal-lysosomal organelles such as melanosomes and platelet dense granules. Mutations in this gene result in subtype 4 of Hermansky-Pudlak syndrome, a form of albinism. Alternative splicing results in multiple transcript variants.,HPS4,BLOC3S2,LE,Signal Transduction,HPS4
Molecular Weight:	58kDa/76kDa/78kDa
Gene ID:	89781
UniProt:	<a href="#">Q9NQG7</a>

## Application Details

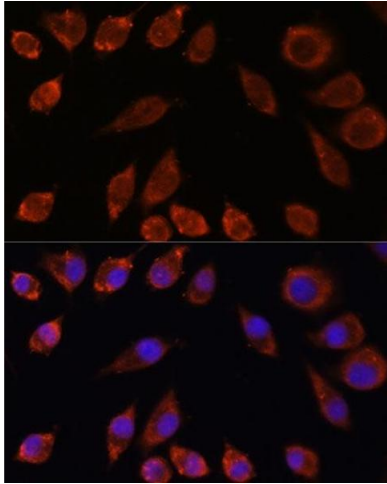
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Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

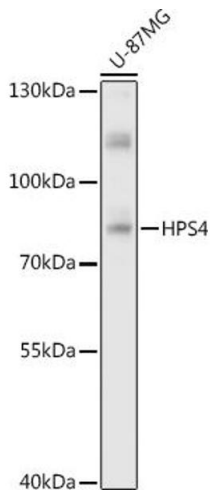
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



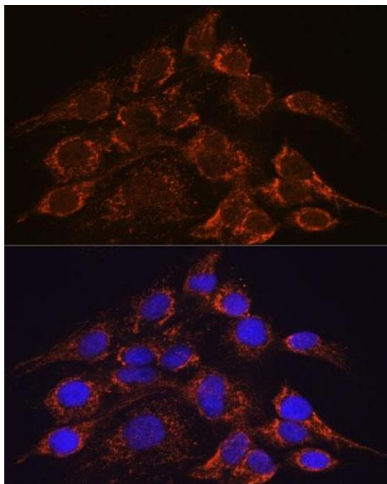
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of L929 cells using HPS4 antibody (ABIN7267623) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of U-87MG cells, using HPS4 antibody (ABIN7267623) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of C6 cells using HPS4 antibody (ABIN7267623) at dilution of 1:100. Blue: DAPI for nuclear staining.