

Datasheet for ABIN969198

anti-HPS1 antibody[Go to Product page](#)**1** Image**5** Publications

Overview

Quantity:	100 µL
Target:	HPS1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of HPS1 expressed in E. coli.
Clone:	5G12G2
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	HPS1
Alternative Name:	HPS1 (HPS1 Products)
Background:	Description: Hermansky-Pudlak syndrome 1. This protein may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Multiple transcript variants encoding

Target Details

distinct isoforms have been identified for this gene, the full-length sequences of some of these have not been determined yet.

Aliases: HPS, MGC5277, HPS1

Gene ID: 3257

HGNC: 3257

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

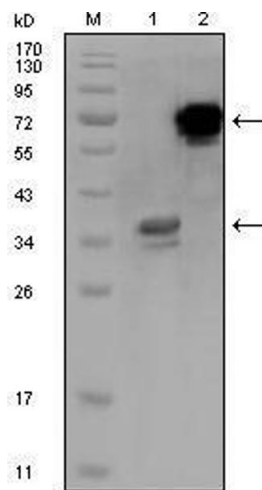
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) ([PubMed](#)).

Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using HPS1 mouse mAb against truncated HPS1 recombinant protein (1) and HPS1-hIgGFc transfected CHO-K1 cell lysate (2).