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Datasheet for ABIN1881701  
**anti-PSPH antibody (N-Term)**

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### Overview

Quantity:	400 µL
Target:	PSPH
Binding Specificity:	AA 7-36, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This PSPH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human PSPH.
Clone:	RB42215
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	PSPH
Alternative Name:	PSPH ( <a href="#">PSPH Products</a> )
Background:	The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This

## Target Details

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encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome.

Molecular Weight: 25008

NCBI Accession: [NP\\_004568](#)

UniProt: [P78330](#)

Pathways: [Warburg Effect](#)

## Application Details

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Application Notes: WB: 1:1000. WB: 1:8000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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

Expiry Date: 6 months

## Publications

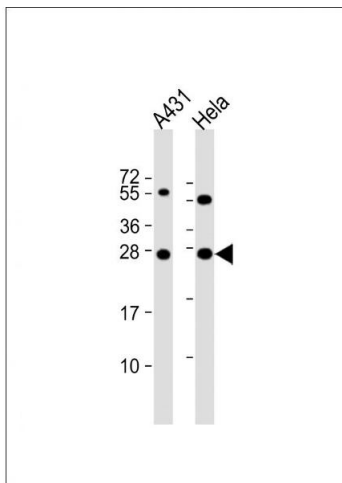
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Product cited in: Zampagni, Cascella, Casamenti, Grossi, Evangelisti, Wright, Becatti, Liguri, Mannini, Campioni, Chiti, Cecchi: "A comparison of the biochemical modifications caused by toxic and non-toxic protein oligomers in cells." in: **Journal of cellular and molecular medicine**, Vol. 15, Issue 10, pp. 2106-16, (2011) ([PubMed](#)).

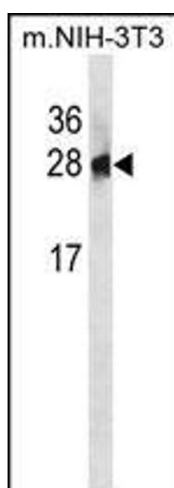
Liao, Lasbury, Wang, Zhang, Durant, Murakami, Matsufuji, Lee: "Pneumocystis mediates overexpression of antizyme inhibitor resulting in increased polyamine levels and apoptosis in alveolar macrophages." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 8174-84,

(2009) ([PubMed](#)).

## Images

**Western Blotting**

**Image 1.** All lanes : Anti-PSPH Antibody (N-term) at 1:8000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

**Western Blotting**

**Image 2.** PSPH Antibody (N-term) (ABIN1881701 and ABIN2839050) western blot analysis in mouse NIH-3T3 cell line lysates (35  $\mu$ g/lane). This demonstrates the PSPH antibody detected the PSPH protein (arrow).