

Datasheet for ABIN2856767

**anti-PSAT1 antibody**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	PSAT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PSAT1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to PSAT1 (phosphoserine aminotransferase 1) PSAT1 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

## Target Details

Target:	PSAT1
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## Target Details

Alternative Name:	phosphoserine aminotransferase 1 ( <a href="#">PSAT1 Products</a> )
Background:	The protein encoded by this gene is likely a phosphoserine aminotransferase, based on similarity to proteins in mouse, rabbit, and Drosophila. Alternative splicing of this gene results in two transcript variants encoding different isoforms.
Molecular Weight:	40 kDa
Gene ID:	29968
UniProt:	<a href="#">Q9Y617</a>
Pathways:	<a href="#">Warburg Effect</a>

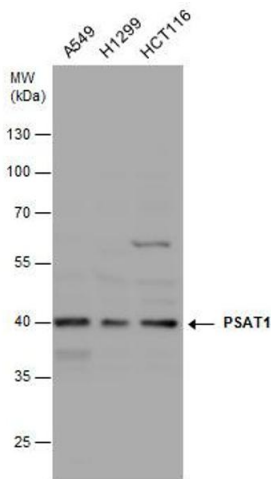
## Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , A549 , H1299 , HCT116 , 293T Validation: KO/KD
Restrictions:	For Research Use only

## Handling

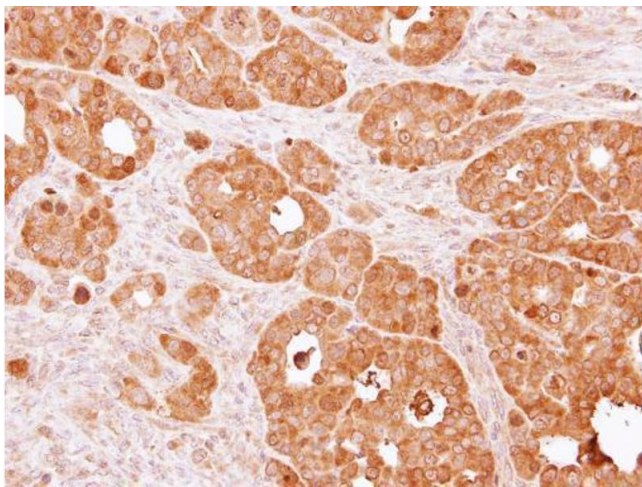
Format:	Liquid
Concentration:	0.33 mg/mL
Buffer:	1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Product cited in: Lin, Kiihl, Suhail, Liu, Chou, Kuang, Lu, Khor, Lin, Bader, Irizarry, Boeke: "Functional dissection of lysine deacetylases reveals that HDAC1 and p300 regulate AMPK." in: **Nature**, Vol. 482, Issue 7384, pp. 251-5, (2012) ([PubMed](#)).



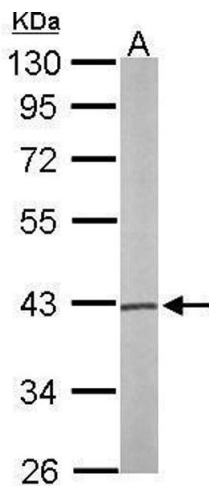
Western Blotting

**Image 1.** WB Image PSAT1 antibody [N1C3] detects PSAT1 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with PSAT1 antibody [N1C3], diluted at 1:1000.



Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded NCI-N87 xenograft, using PSAT1, antibody at 1:500 dilution.



Western Blotting

**Image 3.** WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 10% SDS PAGE antibody diluted at 1:1000

## Images

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Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856767.