

Datasheet for ABIN6264457
anti-PSAT1 antibody (Internal Region)



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3 Images

Overview

Quantity:	100 µL
Target:	PSAT1
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human PSAT1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	PSAT1 Antibody detects endogenous levels of total PSAT1.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PSAT1
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Target Details

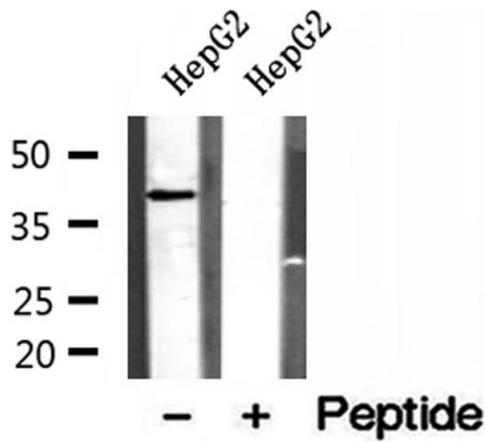
Alternative Name:	PSAT1 (PSAT1 Products)
Background:	Description: Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonoxybutanoate to phosphohydroxythreonine. Gene: PSAT1
Molecular Weight:	37-40 kDa
Gene ID:	29968
UniProt:	Q9Y617
Pathways:	Warburg Effect

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

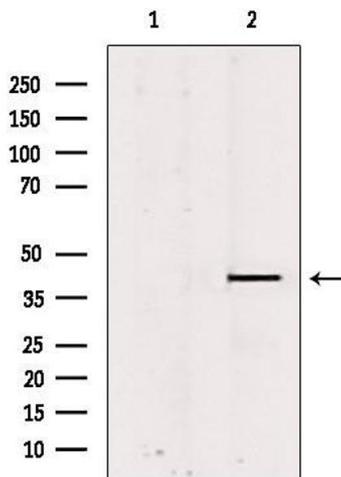
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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. Stable for 12 months from date of receipt.
Expiry Date:	12 months



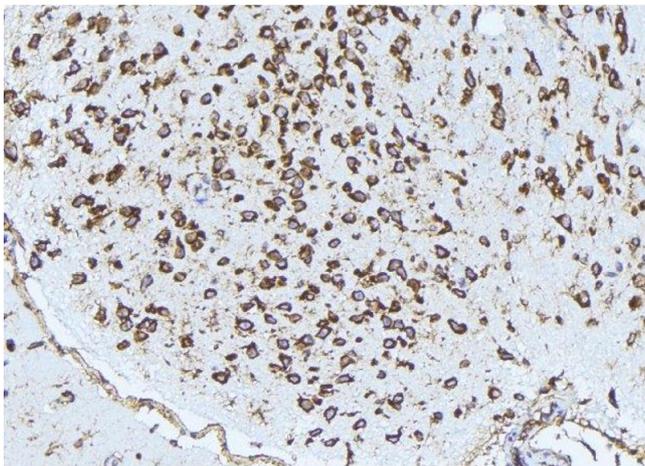
Western Blotting

Image 1. Western blot analysis of extracts of HepG2 cells, using PSAT1 antibody.



Western Blotting

Image 2. Western blot analysis of extracts from rat brain, using PSAT1 antibody. Lane 1 was treated with the blocking peptide.



Immunohistochemistry

Image 3. ABIN6272976 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary