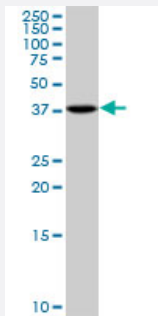


PSAT1 polyclonal antibody (A01)

Catalog # H00029968-A01

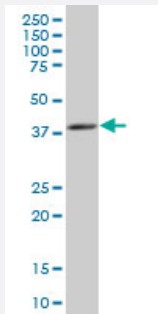
Size 50 uL

Applications



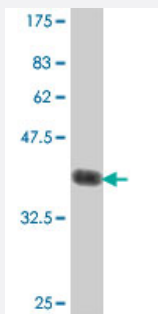
Western Blot (Cell lysate)

PSAT1 polyclonal antibody (A01), Lot # 060814QCS1. Western Blot analysis of PSAT1 expression in MES-SA/Dx5.



Western Blot (Cell lysate)

PSAT1 polyclonal antibody (A01), Lot # 051214JCO1 Western Blot analysis of PSAT1 expression in IMR-32 (Cat # L008V1).



Western Blot detection against Immunogen (38.1 kDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant PSAT1.

Immunogen

PSAT1 (NP_478059, 262 a.a. ~ 370 a.a) partial recombinant protein with GST tag.

Sequence	GGAAAMEKLSSIKSQTIYEIIDNSQGFYVCPVEPQNRSKMNIPFRIGNAKGDDALEKRFLDKALELN MLSLKGHRSVGGIRASLYNAVTTIEDVQKLAAFMKKFLEMHQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PSAT1 polyclonal antibody (A01), Lot # 060814QCS1. Western Blot analysis of PSAT1 expression in MES-SA/Dx5.

[Protocol Download](#)

- Western Blot (Cell lysate)

PSAT1 polyclonal antibody (A01), Lot # 051214JCO1 Western Blot analysis of PSAT1 expression in IMR-32 (Cat # L008V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PSAT1

Entrez GeneID	29968
GeneBank Accession#	NM_058179
Protein Accession#	NP_478059
Gene Name	PSAT1

Gene Alias	EPIP, MGC1460, PSA, PSAT
Gene Description	phosphoserine aminotransferase 1
Omim ID	610936 610992
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000021524 OTTHUMP00000021525 endometrial progesterone-induced protein phosphoserine aminotransferase

Publication Reference

- [Neurons Release Serine to Support mRNA Translation in Pancreatic Cancer.](#)

Robert S Banh, Douglas E Biancur, Keisuke Yamamoto, Albert S W Sohn, Beth Walters, Miljan Kuljanin, Ajami Gikandi, Huamin Wang, Joseph D Mancias, Robert J Schneider, Michael E Pacold, Alec C Kimmelman.

Cell 2020 Nov; 183(5):1202.

Application: WB, Mouse, PDAC cells

- [LrrkA, a kinase with leucine-rich repeats, links folate sensing with Kil2 activity and intracellular killing.](#)

Bodinier R, Leiba J, Sabra A, Jauslin TN, Lamrabet O, Guilhen C, Marchetti A, Iwade Y, Kawata T, Lima WC, Cosson P.

Cellular Microbiology 2020 Jan; 22(1):e13129.

Application: WB-Tr, Bacteria, Dictyostelium cells

- [Cellular redox state constrains serine synthesis and nucleotide production to impact cell proliferation.](#)

Diehl FF, Lewis CA, Fiske BP, Vander Heiden MG.

Nature Metabolism 2019 Sep; 1(9):861.

Application: WB-Ce, Human, A-549, MDA-MB-231, MDA-MB-468 cells

- [Glutamine-utilizing transaminases are a metabolic vulnerability of TAZ/YAP-activated cancer cells.](#)

Yang CS, Stampoglou E, Kingston NM, Zhang L, Monti S, Varelas X.

EMBO Reports 2018 Apr; 19(6):e43577.

Application: WB, Human, MDA-MB-231 cells

Pathway

- [Glycine](#)
- [Metabolic pathways](#)
- [Vitamin B6 metabolism](#)