

ARG43987 anti-PSAT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSAT1
Species	Human
Immunogen	Human PSAT1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PSAT1; Phosphoserine Aminotransferase 1 PSAT; PSA; Phosphohydroxythreonine Aminotransferase; Phosphoserine Aminotransferase; Phosphoserine Transaminase; EC 2.6.1.52; Endometrial Progesterone-Induced Protein; PSATD; EPIP; NLS2

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

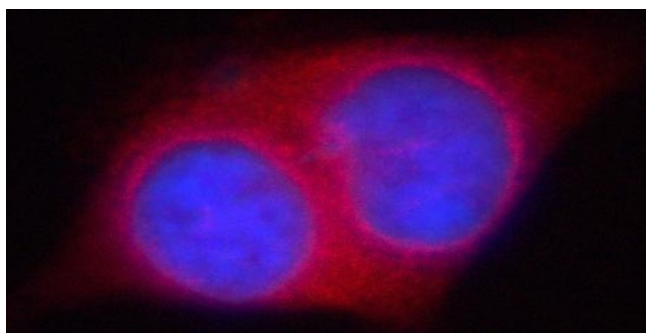
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

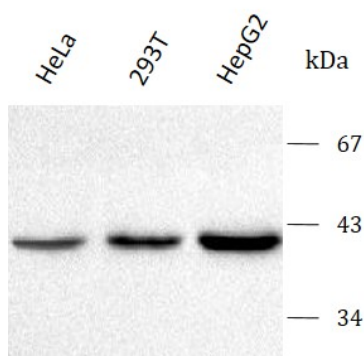
Gene Symbol	PSAT1
Gene Full Name	Phosphoserine Aminotransferase 1
Background	This gene encodes a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is a phosphoserine aminotransferase and decreased expression may be associated with schizophrenia. Mutations in this gene are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 1, 3, and 8.
Function	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
Calculated Mw	40 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Cytoplasm, Cytosol, Extracellular exosome

Images



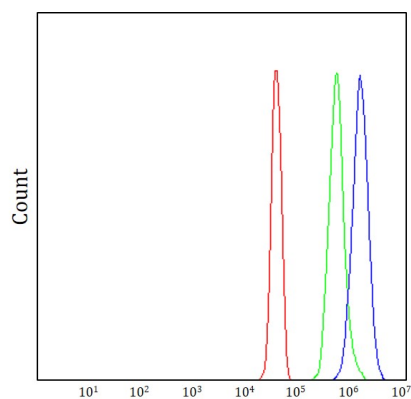
ARG43987 anti-PSAT1 antibody ICC/IF image

Immunofluorescence: PC-3 cells stained with ARG43987 anti-PSAT1 antibody at 5 µg/ml dilution.



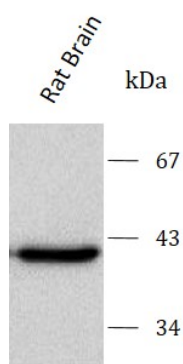
ARG43987 anti-PSAT1 antibody WB image

Western blot: HeLa, 293T and HepG2 stained with ARG43987 anti-PSAT1 antibody at 0.5 µg/mL dilution.



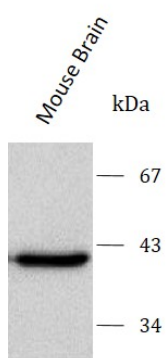
ARG43987 anti-PSAT1 antibody FACS image

Flow Cytometry: PC-3 cells stained with ARG43987 anti-PSAT1 antibody (blue) at $1\text{ }\mu\text{g}/1\times 10^6$ cells dilution.



ARG43987 anti-PSAT1 antibody WB image

Western blot: Rat brain stained with ARG43987 anti-PSAT1 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.



ARG43987 anti-PSAT1 antibody WB image

Western blot: Mouse brain stained with ARG43987 anti-PSAT1 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.