

Datasheet: VMA00338

Description:	MOUSE ANTI PHOSPHOSERINE AMINOTRANSFERASE
Specificity:	PHOSPHOSERINE AMINOTRANSFERASE
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant human phosphoserine aminotransferase
External Database Links	UniProt: Q9Y617 Related reagents Entrez Gene: 29968 PSAT1 Related reagents
Synonyms	PSA

Specificity	Mouse anti Human phosphoserine aminotransferase antibody recognizes phosphoserine aminotransferase, also known as endometrial progesterone-induced protein and phosphohydroxythreonine aminotransferase. Encoded by the PSAT1 gene, phosphoserine aminotransferase is a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. Decreased expression of this protein may be associated with schizophrenia. Mutations in PSAT1 are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of PSAT1 have been defined on chromosomes 1, 3, and 8 (provided by RefSeq, Jul 2013). Mouse anti Human phosphoserine aminotransferase antibody detects a band of 41 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti phosphoserine aminotransferase detects a band of approximately 41 kDa in A549 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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