

Datasheet for ABIN7599295
anti-AS3MT antibody (AA 1-346)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	AS3MT
Binding Specificity:	AA 1-346
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AS3MT antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Cyt 19/As3mt Antibody Picoband®
Immunogen:	E.coli-derived mouse Cyt 19/As3mt recombinant protein (Position: M1-D346).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Cyt 19/As3mt Antibody Picoband® (ABIN7599295). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	AS3MT
Alternative Name:	As3mt (AS3MT Products)
Background:	<p>Synonyms: Sentrin-specific protease 6, SUMO-1-specific protease 1, Sentrin/SUMO-specific protease SENP6, SENP6, KIAA0797, SSP1, SUSP1, FKSG6</p> <p>Tissue Specificity: Expressed in many tissues, highest levels in skeletal muscle.</p> <p>Background: AS3MT catalyzes the transfer of a methyl group from S-adenosyl-L-methionine (AdoMet) to trivalent arsenical and may play a role in arsenic metabolism. This gene is mapped to chromosome 10q24.</p>
Molecular Weight:	44 kDa
Gene ID:	57344

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hernandez, A., Xamena, N., Sekaran, C., Tokunaga, H., Sampayo-Reyes, A., Quinteros, D., Creus, A., Marcos, R. High arsenic metabolic efficiency in AS3MT-287Thr allele carriers. Pharmacogenet. Genomics 18: 349-355, 2008. 2. Lin, S., Shi, Q., Nix, F. B., Styblo, M., Beck, M. A., Herbin-Davis, K. M., Hall, L. L., Simeonsson, J. B., Thomas, D. J. A novel S-adenosyl-L-methionine:arsenic(III) methyltransferase from rat liver cytosol. J. Biol. Chem. 277: 10795-10803, 2002. 3. Wood, T. C., Salavagionne, O. E., Mukherjee, B., Wang, L., Klumpp, A. F., Thomae, B. A., Eckloff, B. W., Schaid, D. J., Wieben, E. D., Weinshilboum, R. M. Human arsenic methyltransferase (AS3MT) pharmacogenetics: Gene resequencing and functional genomics studies. J. Biol. Chem. 281: 7364-7373, 2006.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.