

Datasheet for ABIN7144643  
**anti-AS3MT antibody (AA 262-375)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	AS3MT
Binding Specificity:	AA 262-375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AS3MT antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Arsenite methyltransferase protein (262-375AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	AS3MT
Alternative Name:	AS3MT ( <a href="#">AS3MT Products</a> )
Background:	Background: Catalyzes the transfer of a methyl group from AdoMet to trivalent arsenicals producing methylated and dimethylated arsenicals. It methylates arsenite to form

## Target Details

methylarsonate,  $\text{Me-AsO(3)H(2)}$ , which is reduced by methylarsonate reductase to methylarsonite,  $\text{Me-As(OH)2}$ . Methylarsonite is also a substrate and it is converted into the much less toxic compound dimethylarsinate (cacodylate),  $\text{Me(2)As(O)-OH}$  (By similarity).  
Aliases: 2310045H08Rik antibody, Arsenic (+3 oxidation state) methyltransferase antibody, Arsenite methyltransferase antibody, As3mt antibody, AS3MT\_HUMAN antibody, C10ORF32 antibody, CYT19 antibody, Cyt19 protein antibody, Hypothetical protein C10orf32 antibody, Methylarsonite methyltransferase antibody, Methyltransferase cyt19 antibody, OTTHUMP00000020384 antibody, RP11-753C18.6 antibody, S adenosylmethionine arsenic (III) methyltransferase antibody, S-adenosyl-L-methionine:arsenic(III) methyltransferase antibody

UniProt: [Q9HBK9](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

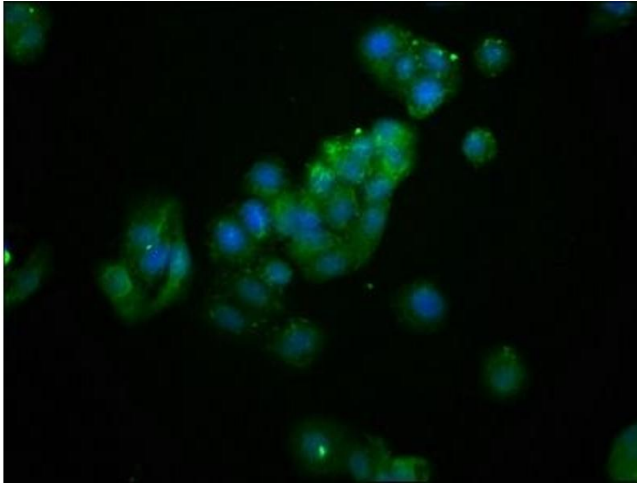
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

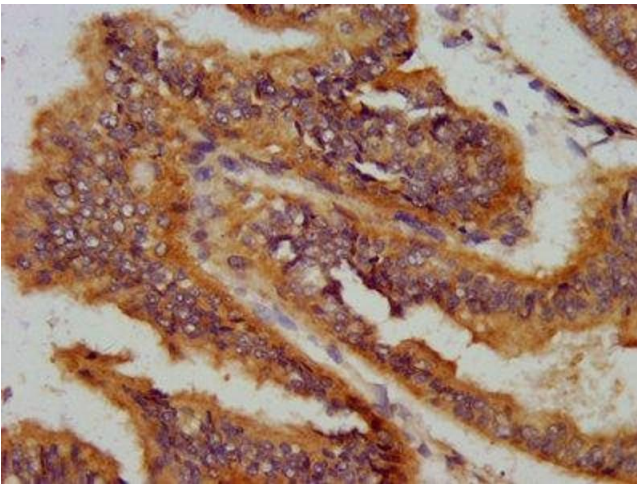
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunofluorescence

**Image 1.** Immunofluorescence staining of HepG2 cells with ABIN7144643 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Immunohistochemistry

**Image 2.** IHC image of ABIN7144643 diluted at 1:400 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.