

AS3MT antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12950**Specification**

AS3MT antibody - middle region - Product Information

Application	WB
Primary Accession	Q9HBK9
Other Accession	NM_020682 , NP_065733
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Goat, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

AS3MT antibody - middle region - Additional Information**Gene ID** 57412**Alias Symbol** CYT19, RP11-753C18.6**Other Names**

Arsenite methyltransferase, 2.1.1.137, Methylarsonite methyltransferase, S-adenosyl-L-methionine:arsenic(III) methyltransferase, AS3MT, CYT19

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-AS3MT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

AS3MT antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

AS3MT antibody - middle region - Protein Information**Name** AS3MT**Synonyms** CYT19**Function**Catalyzes the transfer of a methyl group from AdoMet to trivalent arsenicals producing methylated and dimethylated arsenicals (PubMed: [16407288](http://www.uniprot.org/citations/16407288), PubMed: [25997655](http://www.uniprot.org/citations/25997655)). It methylates arsenite to form methylarsonate, Me-AsO(3)H(2),

which is reduced by methylarsonate reductase to methylarsonite, Me-As(OH)₂ (PubMed:16407288, PubMed:25997655).

Methylarsonite is also a substrate and it is converted into the much less toxic compound dimethylarsinate (cacodylate), Me(2)As(O)-OH (PubMed:16407288, PubMed:25997655).

Cellular Location

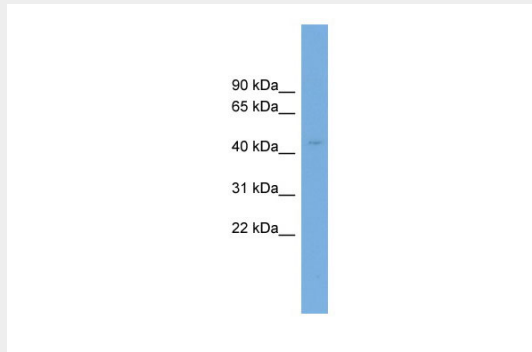
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8VHT6}

AS3MT antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AS3MT antibody - middle region - Images



WB Suggested Anti-AS3MT Antibody Titration: 0.2-1 µg/ml

Positive Control: Jurkat cell lysate