

Cyt19 / AS3MT Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2292a**Specification**

Cyt19 / AS3MT Antibody (N-Term) - Product Information

Application	IHC
Primary Accession	O9HBK9
Other Accession	NP_065733.2 , 57412
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	41748

Cyt19 / AS3MT Antibody (N-Term) - Additional Information**Gene ID** 57412**Other Names**Arsenite methyltransferase, 2.1.1.137, Methylarsonite methyltransferase,
S-adenosyl-L-methionine:arsenic(III) methyltransferase, AS3MT, CYT19**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Cyt19 / AS3MT Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Cyt19 / AS3MT Antibody (N-Term) - 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, PubMed: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

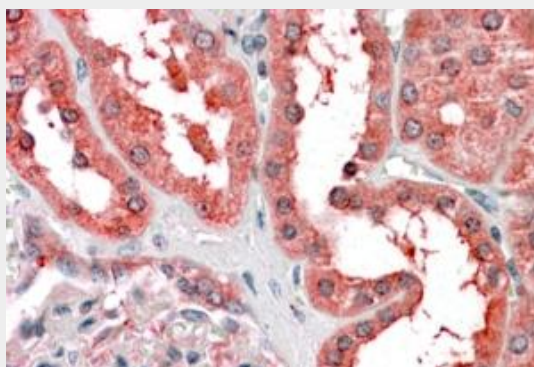
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8VHT6}

Cyt19 / AS3MT Antibody (N-Term) - 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](#)

Cyt19 / AS3MT Antibody (N-Term) - Images



AF2292a (3.8 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Cyt19 / AS3MT Antibody (N-Term) - References

A novel S-adenosyl-L-methionine:arsenic(III) methyltransferase from rat liver cytosol. Lin S, Shi Q, Nix FB, Styblo M, Beck MA, Herbin-Davis KM, Hall LL, Simeonsson JB, Thomas DJ. J Biol Chem. 2002 Mar 29;277(13):10795-803. PMID: 11790780