

ASNA1 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant ASNA1.****Catalog # AT1215a****Specification**

ASNA1 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	O43681
Other Accession	NM_004317
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	38793

ASNA1 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 439**Other Names**

ATPase ASNA1 {ECO:0000255|HAMAP-Rule:MF_03112}, 36--
{ECO:0000255|HAMAP-Rule:MF_03112}, Arsenical pump-driving ATPase
{ECO:0000255|HAMAP-Rule:MF_03112}, Arsenite-stimulated ATPase
{ECO:0000255|HAMAP-Rule:MF_03112}, Transmembrane domain recognition complex 40 kDa
ATPase subunit, hARSA-I, hASNA-I, ASNA1 {ECO:0000255|HAMAP-Rule:MF_03112}, ARSA, TRC40

Target/Specificity

ASNA1 (NP_004308, 239 a.a. ~ 348 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

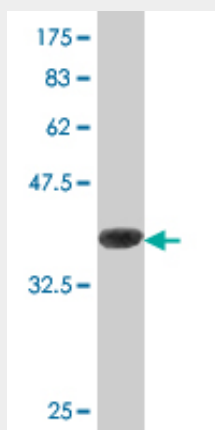
ASNA1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

ASNA1 Antibody (monoclonal) (M02) - Protocols

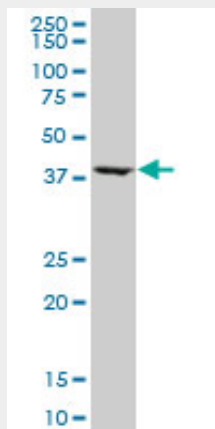
Provided below are standard protocols that you may find useful for product applications.

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

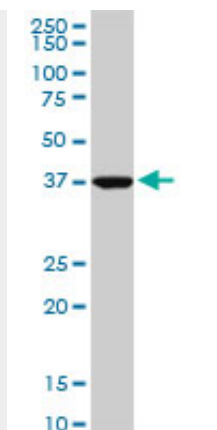
ASNA1 Antibody (monoclonal) (M02) - Images



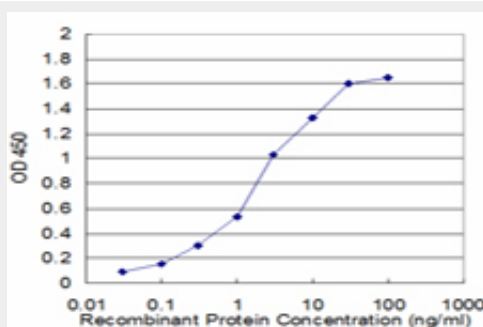
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



ASNA1 monoclonal antibody (M02), clone 5A3. Western Blot analysis of ASNA1 expression in HeLa (Cat # AT1215a)



ASNA1 monoclonal antibody (M02), clone 5A3. Western Blot analysis of ASNA1 expression in PC-12 (Cat # AT1215a)



Detection limit for recombinant GST tagged ASNA1 is approximately 0.03ng/ml as a capture antibody.

ASNA1 Antibody (monoclonal) (M02) - Background

ASNA1 is the human homolog of the bacterial *arsA* gene. In *E. coli*, ArsA ATPase is the catalytic component of a multisubunit oxyanion pump that is responsible for resistance to arsenicals and antimonials.

ASNA1 Antibody (monoclonal) (M02) - References

Asna1/TRC40-mediated membrane insertion of tail-anchored proteins. Favalaro V, et al. *J Cell Sci*, 2010 May 1. PMID 20375064. Increased sensitivity to platinating agents and arsenite in human ovarian cancer by downregulation of ASNA1. Hemmingsson O, et al. *Oncol Rep*, 2009 Oct. PMID 19724867. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. *Cell*, 2009 Jul 23. PMID 19615732. A precursor-specific role for Hsp40/Hsc70 during tail-anchored protein integration at the endoplasmic reticulum. Rabu C, et al. *J Biol Chem*, 2008 Oct 10. PMID 18667436. Identification of a targeting factor for posttranslational membrane protein insertion into the ER. Stefanovic S, et al. *Cell*, 2007 Mar 23. PMID 17382883.