10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASNA1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ASNA1.
Catalog # AT1215a

Product Information

Application	WB, E
Primary Accession	O43681
Other Accession	NM_004317
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5A3
Calculated MW	38793

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.

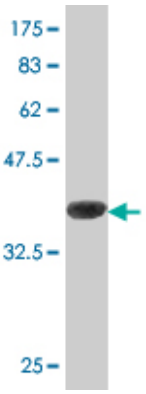
Background

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.

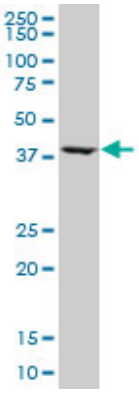
References

Asna1/TRC40-mediated membrane insertion of tail-anchored proteins. Favaloro 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.

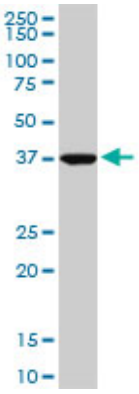
Images



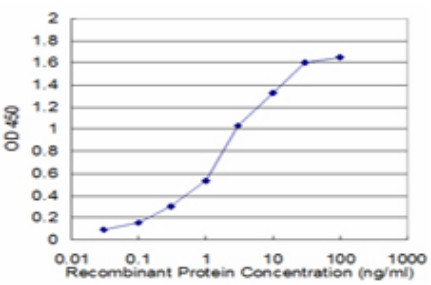
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.