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# ASNA1 Antibody (monoclonal) (M02)

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

## Product Information

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|---|---|
| **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

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|---|---|
| **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. |

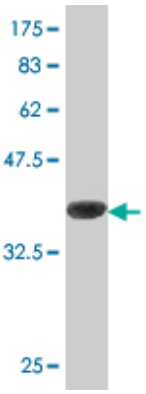
## Background

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.

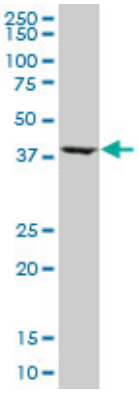
## References

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.

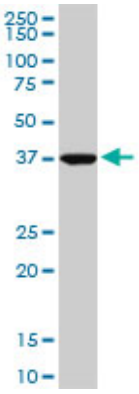
## Images



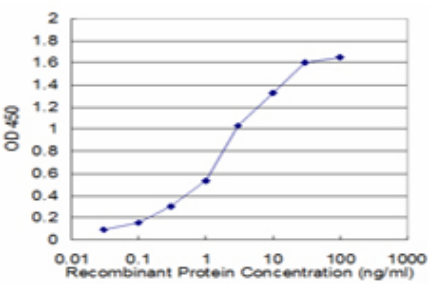

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .




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'.