Mouse anti-Human, Rat ASNA1 Monoclonal Antibody | anti-ASNA1 antibody

ASNA1 (ATPase ASNA1, Arsenical Pump-driving ATPase, Arsenite-stimulated ATPase, Transmembrane Domain Recognition Complex 40kD ATPase Subunit, hARSA-I, hASNA-I, ARSA, TRC40) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25619	**Mouse**	**Human, Rat**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

ASNA1; Monoclonal Antibody; ASNA1 (ATPase ASNA1; Arsenical Pump-driving ATPase; Arsenite-stimulated ATPase; Transmembrane Domain Recognition Complex 40kD ATPase Subunit; hARSA-I; hASNA-I; ARSA; TRC40) (PE); anti-ASNA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2H3
Specificity	Recognizes human ASNA1. Species Crossreactivity: rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-ASNA1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa239-348 from human ASNA1 (NP_004308) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PEQTTFICVCIAEFLSLYETERLIQELAKCKIDTHNIIVNQLVFPDPEKPCKMCEARHKIQAKYLDQMEDLYEDFHIVKLPLLPHEVRGADKVNTFSALLLEPYI
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western Blot detection against Immunogen (37.84kD).

WB (Western Blot)
Western blot analysis of ASNA1 over-expressed 293 cell line, cotransfected with ASNA1 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ASNA1 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

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

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to ASNA1 on HeLa cell. [antibody concentration 10ug/ml].

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to ASNA1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 0.5ug/ml]

WB (Western Blot)
Western Blot analysis of ASNA1 expression in transfected 293T cell line by ASNA1 monoclonal antibody. Lane 1: ASNA1 transfected lysate (38.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ASNA1 antibody	Antibodies; Enzymes; ATPase
References	1. A precursor specific role for Hsp40/Hsc70 during tail-anchored protein integration at the endoplasmic reticulum. Rabu C, Wipf P, Brodsky JL, High S.J Biol Chem. 2008 Oct 10;283(41):27504-13. Epub 2008 Jul 29.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50428938
NCBI GeneID	439
NCBI Accession #	NP_004308
NCBI GenBank Nucleotide #	NM_004317
UniProt Accession #	O43681; Q53FC6; Q92849; A6NHP8; A8K740
Molecular Weight	38,793 Da
NCBI Official Full Name	ATPase ASNA1
NCBI Official Synonym Full Names	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)
NCBI Official Symbol	ASNA1
NCBI Official Synonym Symbols	GET3; ARSA1; TRC40; ARSA-I; ASNA-I
NCBI Protein Information	ATPase ASNA1
UniProt Protein Name	ATPase ASNA1
UniProt Gene Name	**ASNA1**
UniProt Entry Name	ASNA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/asna1-antibody-clone-2h3-immunofluorescence-immunohistochemistry-western-blot-elisa/25619