

For Research Use Only

CoraLite®488-conjugated ASNA1 Monoclonal antibody



Catalog Number:CL488-66346

Basic Information

Catalog Number: CL488-66346	GenBank Accession Number: BC002651	Purification Method: Protein G purification
Size: 100UL, Concentration: 2000 µg/ml by 439 Bradford method using BSA as the standard;	GeneID (NCBI): 439	CloneNo.: 1B7C11
Source: Mouse	Full Name: arsA arsenite transporter, ATP- binding, homolog 1 (bacterial)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 38.7 kDa	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Immunogen Catalog Number: AG7936	Observed MW: 37-41 kDa	

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HEK-293 cells,
Species Specificity: human, rat, pig, mouse	

Background Information

ASNA1 (also known as TRC40) is a highly conserved ATPase involved in efflux of arsenite and antimonite. Reduced ASNA1 expression is associated with significant inhibition of cell growth, increased apoptosis and increased sensitivity to arsenite. Thus ASNA1 is proposed to be a target to overcome resistance to cancer chemotherapy. In addition, ASNA1 has been identified as an ER targeting factor for tail-anchored proteins in the posttranslational membrane insertion pathway.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

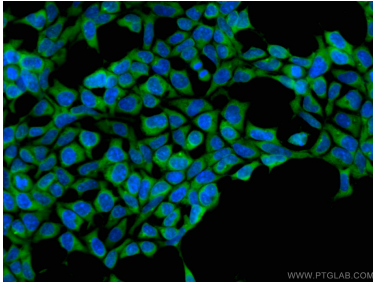
For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CL488-66346 (ASNA1 antibody) at dilution of 1:100.