

For Research Use Only

# ASNS Monoclonal antibody, PBS Only

Catalog Number: 68004-1-PBS



## Basic Information

<b>Catalog Number:</b> 68004-1-PBS	<b>GenBank Accession Number:</b> BC014621	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 440	<b>CloneNo.:</b> 1C3D3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P08243	
<b>Isotype:</b> IgG1	<b>Full Name:</b> asparagine synthetase	
<b>Immunogen Catalog Number:</b> AG6817	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 55-64 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## Background Information

Asparagine synthetase [glutamine-hydrolyzing](ASNS) is also named as TS11. The asparagine synthetase gene, encoding the enzyme that catalyzes the synthesis of asparagine and glutamate using glutamine and aspartate, is a gene for which transcription is highly regulated by the nutritional status of the cell(PMID:15385533). ASNS has some isoforms with the MW of 55-64 kDa.

## Storage

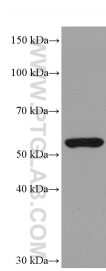
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

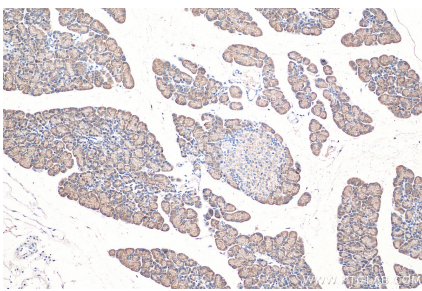
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

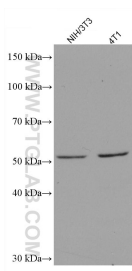
Selected Validation Data



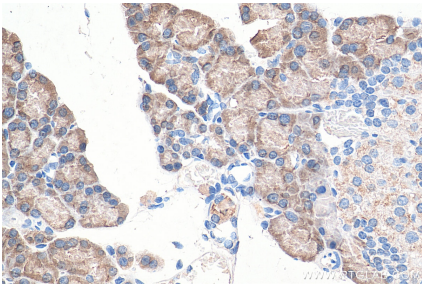
K-562 cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



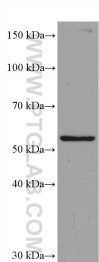
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 68004-1-Ig (ASNS antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



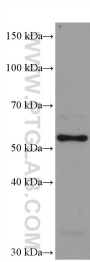
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



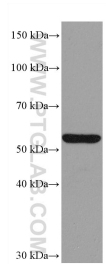
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 68004-1-Ig (ASNS antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



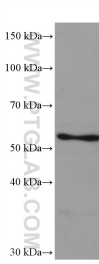
HEK-293 cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



HeLa cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



LNCaP cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.



A431 cells were subjected to SDS PAGE followed by western blot with 68004-1-Ig (ASNS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68004-1-PBS in a different storage buffer formulation.