

For Research Use Only

# ENO1 Monoclonal antibody, PBS Only

Catalog Number: 67187-1-PBS

Featured Product



## Basic Information

Catalog Number:

67187-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG17518

GenBank Accession Number:

BC015641

GeneID (NCBI):

2023

ENSEMBL Gene ID:

ENSG00000074800

UNIPROT ID:

P06733

Full Name:

enolase 1, (alpha)

Calculated MW:

47 kDa

Observed MW:

47 kDa

Purification Method:

Thiophilic affinity chromatograph

CloneNo.:

1D6E8

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

## Background Information

ENO1, also named as NNE, ENO1L1, MBPB1, MPB1 and MBP1, belongs to the enolase family. ENO1 is a metabolic enzyme involved in the synthesis of pyruvate. It also acts as a plasminogen receptor and mediates the activation of plasmin and extracellular matrix degradation. In tumor cells, ENO1 is up-regulated and supports the Warburg effect; it is expressed at the cell surface, where it promotes cancer invasion, and is subjected to a specific array of post-translational modifications, namely acetylation, methylation and phosphorylation. ENO1 overexpression and post-translational modifications could be of diagnostic and prognostic value in many cancer types. (PMID: 27814656)

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

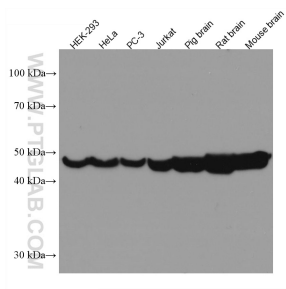
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

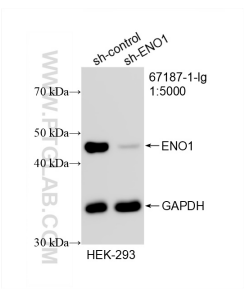
W: [ptgcn.com](http://ptgcn.com)

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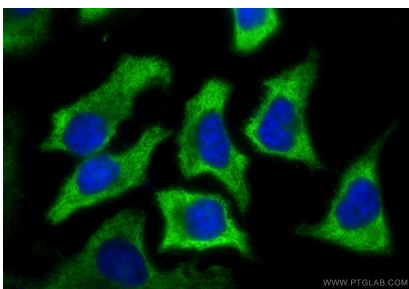
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67187-1-Ig (ENO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67187-1-PBS in a different storage buffer formulation.



WB result of ENO1 antibody (67187-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ENO1 transfected HEK-293 cells. This data was developed using the same antibody clone with 67187-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ENO1 antibody (67187-1-Ig, Clone: 1D6E8 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 67187-1-PBS in a different storage buffer formulation.