

For Research Use Only

ENO1 Monoclonal antibody

Catalog Number: 67187-1-Ig



Basic Information

Catalog Number: 67187-1-Ig	GenBank Accession Number: BC015641	Purification Method: Thiophilic affinity chromatograph
Size: 200 µg/ml	GeneID (NCBI): 2023	CloneNo.: 1D6E8
Source: Mouse	ENSEMBL Gene ID: ENSG00000074800	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgM	UNIPROT ID: P06733	
Immunogen Catalog Number: AG17518	Full Name: enolase 1, (alpha)	
	Calculated MW: 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Rat, Pig	WB : HEK-293 cells, HeLa cells, PC-3 cells, Jurkat cells, pig brain tissue, rat brain tissue, mouse brain tissue
	IF : HeLa cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

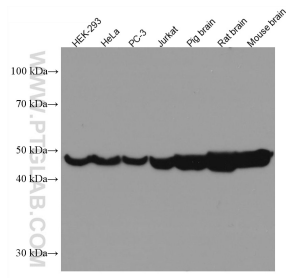
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Selected Validation Data



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.

Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ENO1 antibody (67187-1-Ig, Clone: 1D6E8) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).