

For Research Use Only

ENO3 Monoclonal antibody, PBS Only



Catalog Number: 68147-1-PBS

Basic Information

Catalog Number: 68147-1-PBS	GenBank Accession Number: BC017249	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2027	CloneNo.: 2C12G3
Source: Mouse	UNIPROT ID: P13929	
Isotype: IgG2b	Full Name: enolase 3 (beta, muscle)	
Immunogen Catalog Number: AG9642	Calculated MW: 434 aa, 47 kDa	
	Observed MW: 42-47 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human, Mouse, Rat, Pig

Background Information

Enolase 3 (ENO3) encodes the β -subunit of enolase, which is distributed in various tissues, including liver, lung, skeletal, and heart. ENO3 plays an important role in both glycogen and cholesterol metabolism. It has been demonstrated that ENO3 deficiency may lead to metabolic myopathies, and ENO3 speeds up hepatic cholesterol ester cumulation induced via the mediation of cholesteryl ester generation. Apart from these, ENO3 has also been involved in various tumors, though the results are contradictory. For example, ENO3 is up-regulated in STK11 mutant pulmonary carcinoma and colorectal carcinoma, while down-regulated in pancreatic cancer and hepatocellular carcinomas. ENO3 has 3 isoforms with the molecular mass of 42-47 kDa. (PMID: 33987359, 35004693)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

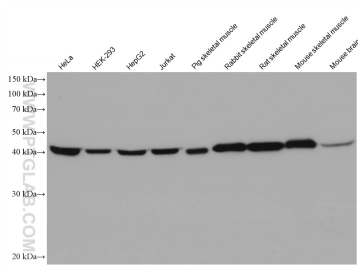
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

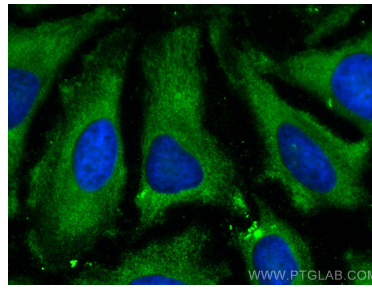
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68147-1-Ig (ENO3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68147-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using ENO3 antibody (68147-1-Ig, Clone: 2C12G3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68147-1-PBS in a different storage buffer formulation.