

For Research Use Only

# ENO1/2/3 Recombinant antibody, PBS Only



Catalog Number: 81504-1-PBS

## Basic Information

<b>Catalog Number:</b> 81504-1-PBS	<b>GenBank Accession Number:</b> BC015641	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2023	<b>CloneNo.:</b> 6E24
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000074800	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P06733	
<b>Immunogen Catalog Number:</b> AG1692	<b>Full Name:</b> enolase 1, (alpha)	
	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 47 kDa	

## Applications

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

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

## Background Information

Enolase (ENO), also known as 2-phospho-D-glycerate hydrolase, is a metalloenzyme that catalyzes the dehydration of 2-phospho-D-glycerate into phosphoenolpyruvate in the glycolytic pathway. There are three different ENO isoforms in higher eukaryotes, including ENO1 or  $\alpha$ -ENO, ENO2 or  $\gamma$ -ENO, and ENO3 or  $\beta$ -ENO. Furthermore, the expression of the different ENO isoforms is tissue specificity. ENO1 is expressed in almost all kinds of tissue, whereas ENO3 is restricted to muscle tissues and ENO2 is described as a neuron- and neuroendocrine tissue-specific enolase. ENO1 serves multifunctional roles in physiological and pathological processes. (PMID: 32256815). This antibody can recognize ENO1, ENO2, and ENO3.

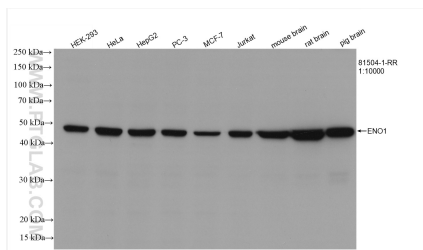
## Storage

**Storage:**  
Store at  $-80^{\circ}\text{C}$ .  
**Storage Buffer:**  
PBS Only

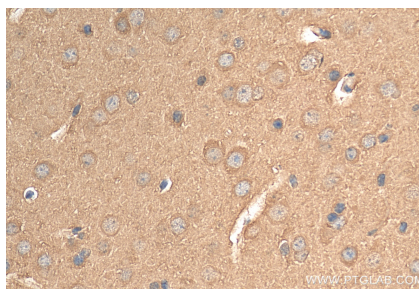
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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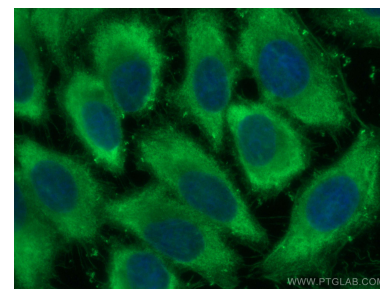
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81504-1-RR (ENO1/2/3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81504-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 81504-1-RR (ENO1/2/3 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 81504-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ENO1/2/3 antibody (81504-1-RR, Clone: 6E24) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81504-1-PBS in a different storage buffer formulation.