

**ENOB Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2885c****Specification**

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**ENOB Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P13929](#)**ENOB Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2027**Other Names**

Beta-enolase, 2-phospho-D-glycerate hydro-lyase, Enolase 3, Muscle-specific enolase, MSE, Skeletal muscle enolase, ENO3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2885c](/products/AP2885c) was selected from the Center region of human ENOB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ENOB Antibody (Center) Blocking Peptide - Protein Information****Name** ENO3**Function**

Glycolytic enzyme that catalyzes the conversion of 2- phosphoglycerate to phosphoenolpyruvate. Appears to have a function in striated muscle development and regeneration.

**Cellular Location**

Cytoplasm. Note=Localized to the Z line. Some colocalization with CKM at M-band (By similarity).

**Tissue Location**

The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

**ENOB Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ENOB Antibody (Center) Blocking Peptide - Images****ENOB Antibody (Center) Blocking Peptide - Background**

ENOB is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in its gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme.

**ENOB Antibody (Center) Blocking Peptide - References**

Aurino,S., Acta Myol 27, 90-97 (2008)Giallongo,A., Eur. J. Biochem. 214 (2), 367-374 (1993)