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ENOB Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2885a

Specification

ENOB Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P13929

ENOB Antibody (N-term) 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 AP2885a was selected from the N-term 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 (N-term) 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

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ENOB Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ENOB Antibody (N-term) Blocking Peptide - Images

ENOB Antibody (N-term) 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 (N-term) Blocking Peptide - References

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