

ENOB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2885c

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P13929
Other Accession	P15429 , Q1KYT0 , P21550 , Q3ZC09
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	237-264

Additional Information

Other Names	Beta-enolase, 2-phospho-D-glycerate hydro-lyase, Enolase 3, Muscle-specific enolase, MSE, Skeletal muscle enolase, ENO3
Target/Specificity	This ENOB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-264 amino acids from the Central region of human ENOB.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ENOB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

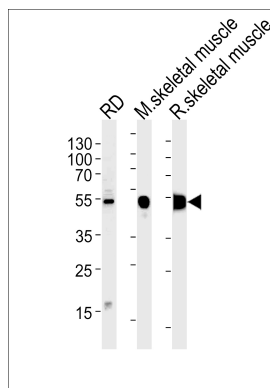
ENOB is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in its gene can be associated with metabolic myopathies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

References

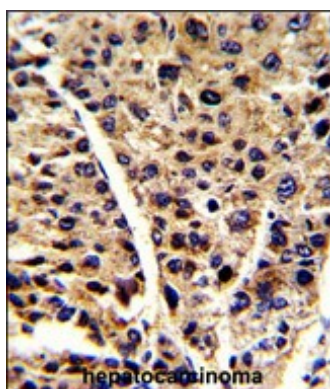
Aurino,S., Acta Myol 27, 90-97 (2008)

Giallongo,A., Eur. J. Biochem. 214 (2), 367-374 (1993)

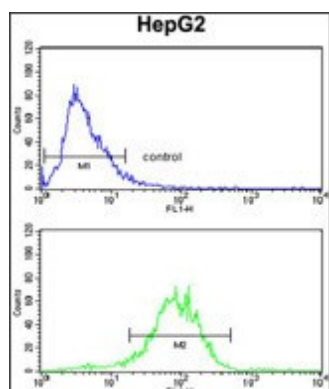
Images



ENOB Antibody (Center) (Cat. #AP2885c) western blot analysis in RD cell line and mouse skeletal muscle, rat skeletal muscle lysates (35ug/lane). This demonstrates the ENOB antibody detected the ENOB protein (arrow).



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with ENOB Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ENOB Antibody (Center) (Cat.#AP2885c) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.