Data Sheet (Cat.No.TMAY-02709)

TargetMol

Anti-ENO3 Antibody (6E160)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6E160
Purification:	Protein A

Applications

Verified Activity:

1. Immunochemical staining of human ENO3 in human skeletal muscle with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
2. Anti-ENO3 rabbit monoclonal antibody at 1:500 dilution.
-Lane A: HepG2 Whole Cell Lysate.
-Lane B: Raji Whole Cell Lysate.
-Lane C: Hela Whole Cell Lysate.
-Lane D: MOLT-4 Whole Cell lysate.
-Lysates/proteins at 30 μg per lane.
-Secondary
-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
-Developed using the Odyssey technique.
-Performed under reducing conditions.
-Predicted band size:47 kDa.
-Observed band size:50 kDa.
3. ENO3 was immunoprecipitated using:
-Lane A:0.5 mg Raji Whole Cell Lysate.
-2 μL anti-ENO3 rabbit monoclonal antibody and 15 μl of 50 % Protein G agarose.
-Primary antibody:
-Anti-ENO3 rabbit monoclonal antibody, at 1:100 dilution.
-Secondary antibody:
-Clean-Blotô IP Detection Reagent (HRP) at 1:500 dilution.
-Developed using the DAB staining technique.
-Performed under reducing conditions.
-Predicted band size: 47 kDa.
-Observed band size: 53 kDa

Application:	IHC-P,IP,WB
Recommended	WB: 1:500-1:2000; IHC-P: 1:100-1:500; IP: 1-4 μL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human ENO3 / beta-enolase Protein (TMPY-03446)
Antigen Species:	Human
Synonyms:	enolase 3 (β, muscle);MSE;GSD13;enolase 3 (beta, muscle)

Research Background

ENO3 is one of the three enolase isoenzymes found in mammals. As a homodimer, ENO3 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 ENO3 gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Two transcripts have been identified for ENO3 gene that differ only in their 5' UTR. ENO3 may play a role in muscle development and regeneration. It appears to have a function in striated muscle development and regeneration.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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