Data Sheet (Cat.No.TMAY-02708)

TargetMol

Anti-ENO3 Antibody (1J509)

Product Details

Ig Type:	Mouse IgG3
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1J509
Purification:	Protein A

Applications

Verified Activity:	1. Anti-ENO3 mouse monoclonal antibody at 1:500 dilution. -Lane A: HepG2 Whole Cell Lysate. -Lane B: Hela Whole Cell Lysate. -Lane C: MOLT-4 Whole Cell Lysate. -Lane D: Raji Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:47 kDa. -Observed band size:52 kDa. 2. Immunochemical staining of human ENO3 in human skeletal muscle with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).
Application:	IHC-P,WB
Recommended	WB: 1:500-1:2000; IHC-P: 1:50-1:200

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.

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