

Rabbit ENO3 Polyclonal Antibody | anti-ENO3 antibody

Anti-ENO3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255048	Rabbit	MousePredicted to React with: Human, Rat, Bovin, Pig (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

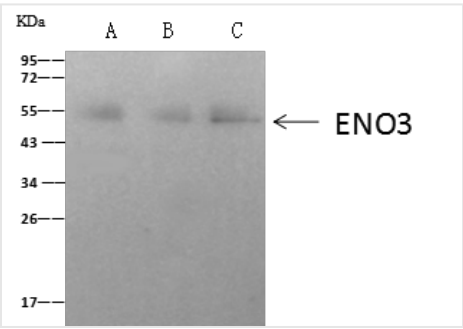
PRODUCT SYNONYMS

ENO3; Polyclonal Antibody; Anti-ENO3 Antibody; Rabbit Polyclonal; ENO3/beta-enolase Antibody; Rabbit PAb; Antigen Affinity Purified; enolase 3 (beta; muscle); Anti-Eno-3 Antibody; Anti-MSE Antibody; anti-ENO3 antibody

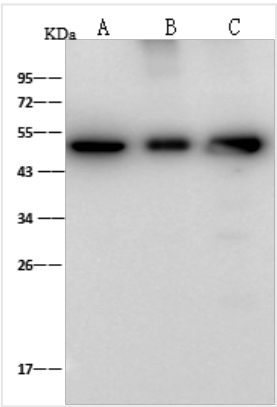
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse Predicted to React with: Human, Rat, Bovin, Pig (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse ENO3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENO3 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse ENO3/beta-enolase
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse ENO3/beta-enolase, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)
ENO3 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate Lane B: 0.5 mg NIH-3T3 Whole Cell Lysate Lane C: 0.5 mg RAW246.7 Whole Cell Lysate 4 uL anti-ENO3 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ENO3 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa Observed band size: 54 kDa



WB (Western Blot)
Anti-ENO3 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: Molt-4 Whole Cell Lysate Lane C: NIH-3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 47 kDa Observed band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ENO3 antibody	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.
References	Peshavaria M, et al. (1989) Structure of human muscle (beta) enolase mRNA and protein deduced from a genomic clone. Nucleic Acids Res. 17(21):8862. Cali L, et al. (1990) Nucleotide sequence of a cDNA encoding the human muscle-specific enolase (MSE). Nucleic Acids Res. 18(7):1893. Peshavaria M, et al. (1991) Molecular structure of the human muscle-specific enolase gene (ENO3). Biochem J. 275(2):427-33.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862931
NCBI GeneID	13808
NCBI Accession #	NP_001129534.1
NCBI GenBank Nucleotide #	NM_001136062.2
UniProt Accession #	P21550
Molecular Weight	47,025 Da
NCBI Official Full Name	beta-enolase
NCBI Official Synonym Full Names	enolase 3, beta muscle
NCBI Official Symbol	Eno3
NCBI Official Synonym Symbols	MSE; Eno-3
NCBI Protein Information	beta-enolase; muscle-specific enolase; skeletal muscle enolase; 2-phospho-D-glycerate hydro-lyase
UniProt Protein Name	Beta-enolase
UniProt Gene Name	Eno3
UniProt Synonym Gene Names	Eno-3; MSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/enob3-antibody-immunoprecipitation-western-blot-elisa/255048>