

Rabbit ENO3 Polyclonal Antibody | anti-ENO3 antibody

Anti-ENO3 Antibody Picoband

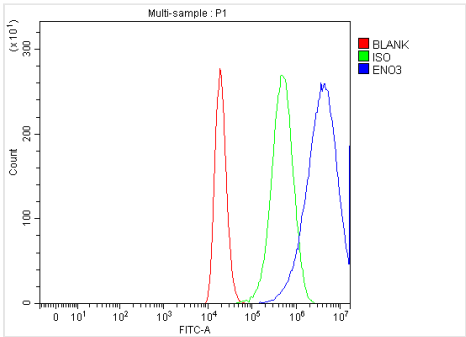
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126472	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

ENO3; Polyclonal Antibody; Anti-ENO3 Antibody Picoband; anti-ENO3 antibody

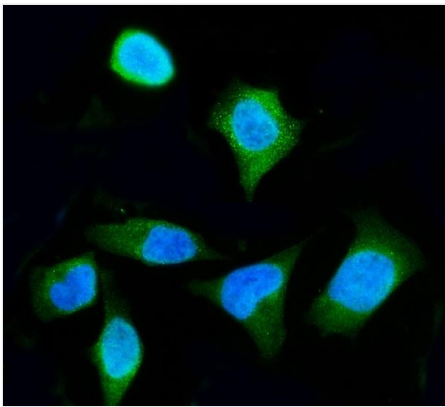
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ENO3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ENO3 recombinant protein (Position: D53-D245).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



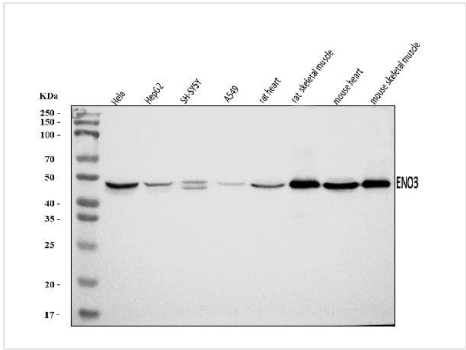
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of 293T cells using anti-ENO3 antibody (AAA126472).Overlay histogram showing 293T cells stained with AAA126472 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ENO3 Antibody (AAA126472, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of ENO3 using anti-ENO3 antibody (AAA126472).ENO3 was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ENO3 Antibody (AAA126472) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of ENO3 using anti-ENO3 antibody (AAA126472).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HeLa whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: human A549 whole cell lysates,Lane 5: rat heart tissue lysates,Lane 6: rat skeletal muscle tissue lysates,Lane 7: mouse heart tissue lysates,Lane 8: mouse skeletal muscle tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ENO3 antigen affinity purified polyclonal antibody (#AAA126472) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ENO3 at approximately 47 kDa. The expected band size for ENO3 is at 47 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ENO3 antibody	Enolase 3 (ENO3), more commonly known as beta-enolase (ENO-beta), is an enzyme that in humans is encoded by the ENO3 gene. This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme is found in skeletal muscle cells in the adult where it may play a role in muscle development and regeneration. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene have be associated glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been described.
Product Categories/Family for anti-ENO3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	425906077
NCBI GeneID	2027
UniProt Accession #	P13929; Q96AE2; B4DUI6; B4DUM6; D3DTL2; E7ENK8
Molecular Weight	434
NCBI Official Full Name	Beta-enolase
NCBI Official Synonym Full Names	enolase 3 (beta, muscle)
NCBI Official Symbol	ENO3
NCBI Official Synonym Symbols	MSE; GSD13
NCBI Protein Information	beta-enolase; muscle-specific enolase; skeletal muscle enolase; 2-phospho-D-glycerate hydrolyase
UniProt Protein Name	Beta-enolase
UniProt Gene Name	ENO3
UniProt Synonym Gene Names	MSE
UniProt Entry Name	ENOB_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eno3-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126472>