

Rabbit Enolase 1/ENO1 Polyclonal Antibody | anti-ENO1 antibody

Anti-Enolase 1/ENO1 Antibody, Rabbit Polyclonal

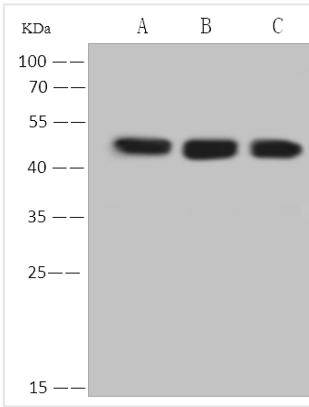
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258832	Rabbit	Human, Ponab, Macfa(Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Enolase 1/ENO1; Polyclonal Antibody; Anti-Enolase 1/ENO1 Antibody; Rabbit Polyclonal; enolase 1; (alpha); Anti-ENO1L1 Antibody; Anti-HEL-S-17 Antibody; Anti-MPB1 Antibody; Anti-NNE Antibody; Anti-PPH Antibody; anti-ENO1 antibody

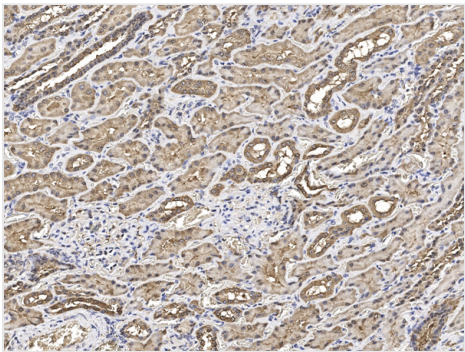
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Ponab, Macfa (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENO1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human ENO1
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human ENO1, 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.



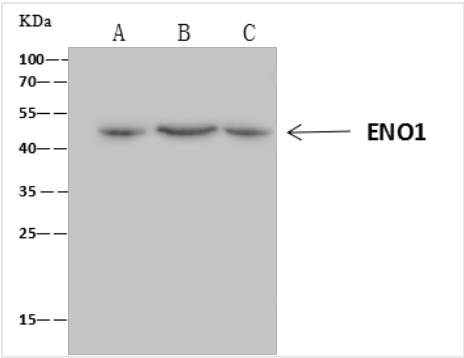
WB (Western Blot)

Anti-ENO1 rabbit polyclonal antibody at 1:500 dilution
Lane A: MCF7 Whole Cell Lysate
Lane B: A431 Whole Cell Lysate
Lane C: Hela 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



IHC (Immunohistochemistry)

Immunochemical staining of human ENO1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IP (Immunoprecipitation)

ENO1 was immunoprecipitated using:
Lane A: 0.5 mg MCF7 Whole Cell Lysate
Lane B: 0.5 mg A431 Whole Cell Lysate
Lane C: 0.5 mg HeLa Whole Cell Lysate
4 uL anti-ENO1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ENO1 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: 47 kDa Observed band size :47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ENO1 antibody	The ENO1 gene encodes a multifunctional enzyme that has been identified as a key component of the glycolytic pathway. ENO1 overexpression and post-translational modifications could be of test and prognostic value in many cancer types. The results of the ENO1 expression profiling of ovarian follicles suggest that ENO1 may play an important dual role in the progress of follicular development, where ENO1 acts as a glycolytic enzyme and also mediates apoptosis. ENO1 overexpression could make the primary culture follicle granulosa cells in vitro improve progesterone secretion. The over-expression of ENO1 protein can enhance the abilities of proliferation and migration in gastric cancer cells of AGS, which indicates that ENO1 may be an important potential tumor-marker associated with the development of gastric cancer. ENO1 and GPI can be used as markers of human sperm freezability before starting the cryopreservation procedure. The inhibition of ENO1 expression may be a novel strategy for therapy for NHLs patients, and it may be a target for drug resistance.
References	Capello M, et al. (2011) a-Enolase: a promising therapeutic and diagnostic tumor target. FEBS J. 278(7): 1064-74. Kang HJ, et al. (2008) Structure of human alpha-enolase (hENO1), a multifunctional glycolytic enzyme. Acta Crystallogr D Biol Crystallogr. 64(Pt 6): 651-7. Lopez-Aleman R, et al. (2005) Alpha-enolase plasminogen receptor in myogenesis. Front Biosci. 10: 30-6. Ejeskdr K, et al. (2005) Introduction of in vitro transcribed ENO1 mRNA into neuroblastoma cells induces cell death. BMC Cancer. 5: 161.

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/enolase-1-eno1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/258832>