

Rabbit anti-Human NSE/ENO2 Polyclonal Antibody | anti-ENO2 antibody

Anti-NSE/ENO2 Antibody, Rabbit Polyclonal

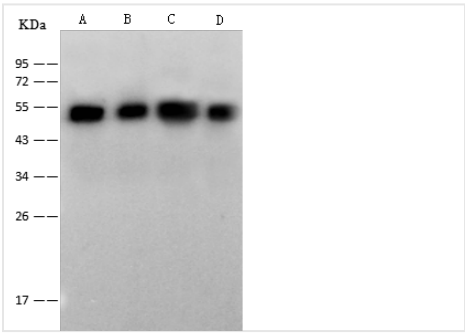
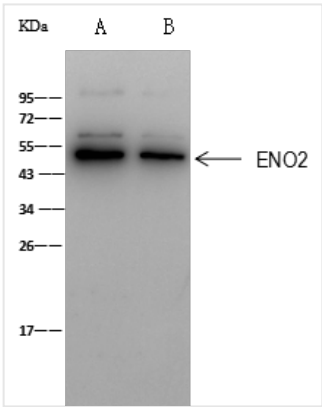
CATALOG # AAA255009	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

NSE/ENO2; Polyclonal Antibody; Anti-NSE/ENO2 Antibody; Rabbit Polyclonal; ENO2 Antibody; Rabbit PAb; Antigen Affinity Purified; enolase 2 (gamma; neuronal); Anti-HEL-S-279 Antibody; Anti-NSE Antibody; anti-ENO2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ENO2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENO2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human ENO2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human ENO2, 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-ENO2 rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: SH-SY5Y Whole Cell Lysate
Lane C: U87MG Whole Cell Lysate
Lane D: HepG2 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: 50 kDa

IP (Immunoprecipitation)
ENO2 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate
Lane B: 0.5 mg HepG2 Whole Cell Lysate
2 uL anti-ENO2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ENO2 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: 53 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ENO2 antibody	The combination of silencing ENO2 and 2-deoxyglucose (2-DG) synergistically inhibited leukemia cell survival. ENO2 may be a biological marker for monitoring chemotherapeutic efficacy and relapse in ALL. Reduced ENO2 expression may be a biomarker for a subset of autistic children. Neuron specific enolase (ENO2, gamma-enolase) has been used as a biomarker to help identify neuroendocrine differentiation in breast cancer.
References	Pechumer H, et al. (1994) Detection of neuron-specific gamma-enolase messenger ribonucleic acid in normal human leukocytes by polymerase chain reaction amplification with nested primers. Lab Invest. 69 (6): 743-9. Craig SP, et al. (1991) Localisation of neurone-specific enolase (ENO2) to 12p13. Cytogenet Cell Genet. 54 (1-2): 71-3. Muley T, et al. (2003) Technical performance and diagnostic utility of the new Elecsys neuron-specific enolase enzyme immunoassay. Clin Chem Lab Med. 41 (1): 95-103.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966.1
NCBI GenBank Nucleotide #	NM_001975.2
UniProt Accession #	P09104; Q96J33
Molecular Weight	47,269 Da
NCBI Official Full Name	gamma-enolase
NCBI Official Synonym Full Names	enolase 2 (gamma, neuronal)
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE
NCBI Protein Information	gamma-enolase; neural enolase; neuron-specific enolase; neurone-specific enolase; neuron specific gamma enolase; 2-phospho-D-glycerate hydrolyase; 2-phospho-D-glycerate hydro-lyase
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	ENO2

UniProt Synonym Gene Names	NSE
UniProt Entry Name	ENOG_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://www.aaabiotech.com/polyclonal/nse-eno2-antibody-immunoprecipitation-western-blot-elisa/255009>