

Mouse anti-Human NSE/ENO2 Monoclonal Antibody | anti-ENO2 antibody

Anti-NSE/ENO2 Antibody, Mouse Monoclonal

CATALOG # AAA255657	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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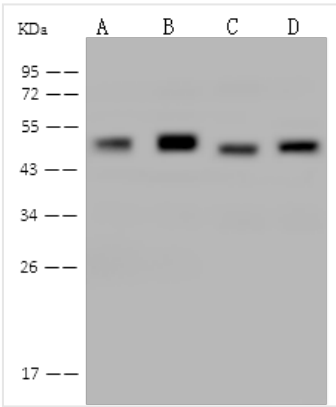
PRODUCT SYNONYMS

NSE/ENO2; Monoclonal Antibody; Anti-NSE/ENO2 Antibody; Mouse Monoclonal; ENO2 Antibody; Mouse MAb; enolase 2 (gamma; neuronal); Anti-HEL-S-279 Antibody; Anti-NSE Antibody; anti-ENO2 antibody

PRODUCT SPECIFICATIONS

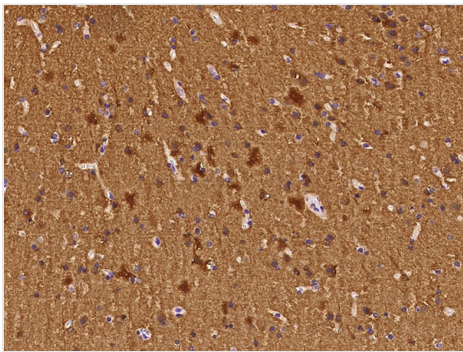
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	14
Specificity	Human ENO2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENO2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human ENO2 Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ENO2 (rh ENO2). The IgG fraction of the cell culture supernatant was purified by Protein A 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



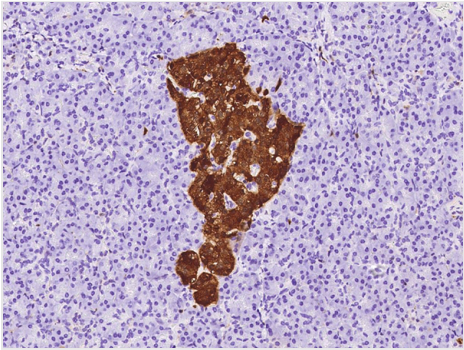
WB (Western Blot)

Anti-ENO2 mouse monoclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: SH-SY5Y Whole Cell Lysate
Lane C: Hela Whole Cell Lysate
Lane D: Jurkat Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Mouse 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



IHC (Immunohistochemistry)

Immunochemical staining of human ENO2 in human brain with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human ENO2 in human pancreas with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

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/monoclonal/nse-eno2-antibody-clone-14-immunohistochemistry-western-blot-elisa/255657>