

Rabbit ENO2/NSE Polyclonal Antibody | anti-ENO2 antibody

ENO2/NSE Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162683	Rabbit	Chicken, Zebrafish, Mouse, Rat, Human, Monkey	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

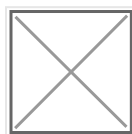
PRODUCT SYNONYMS

ENO2/NSE; Polyclonal Antibody; ENO2/NSE Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus ENO2/NSE Antibody (C-Terminus); ENO2; Enolase 2; Enolase 2 (gamma; neuronal); Neurone-specific enolase; Gamma-enolase; Neural enolase; Neuron specific gamma enolase; Neuron-specific enolase; NSE; anti-ENO2 antibody

PRODUCT SPECIFICATIONS

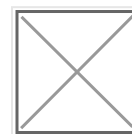
Host	Rabbit
Reactivity	Chicken, Zebrafish, Mouse, Rat, Human, Monkey
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Gamma-enolase protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ENO2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Target	Human ENO2/NSE
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-Terminus of human Gamma-enolase.
Conjugation	Unconjugated
Epitope	C-Terminus
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

IMAGES



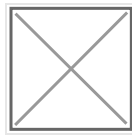
IHC (Immunohistochemistry)

ENO2/NSE Antibody-Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

ENO2/NSE Antibody-Western blot analysis of Gamma-enolase expression in U937 (A); K562 (B); Jurkat (C); NIH3T3 (D); KNRK (E); HepG2 (F); HeLa (G) whole cell lysates.



ICC (Immunocytochemistry)

ENO2/NSE Antibody-Immunofluorescent analysis of Gamma-enolase staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-ENO2 antibody	NSE antibody is an unconjugated rabbit polyclonal antibody to NSE (ENO2)(C-Terminus) from human. It is reactive with human, mouse, rat and other species. Validated for Flow, ICC, IF, IHC and WB. NSE (neuron-specific enolase, ENO2) is a metalloenzyme involved in neural tissue development. In immunohistochemistry, NSE is a positive marker for neurons and neuroendocrine cells, and it is also positive in islets of Langerhans of the pancreas. In cancers, it is positive in neuroendocrine tumors such as carcinoid and schwannoma. NSE is a useful marker of disease status and prognosis in small-cell lung cancer, prostate cancer and acute lymphoblastic leukemia where elevated levels may indicate progression.
References	Br J Cancer. 1994 Oct; 70(4): 759 -761, PMID: 7917935; Int J Biol Markers. 2018 Jan;33(1):10-21, PMID: 28885659; Cell Physiol Biochem. 2018;46(4):1525-1535, PMID: 29689546; Int J Clin Exp Med. 2015; 8(6): 9498 - 9504, PMID: 26309614

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966.1
NCBI GenBank Nucleotide #	NM_001975
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.