

Mouse anti-Human NSE gamma (Neuron Specific Enolase, gamma) Monoclonal Antibody | anti-ENO2 antibody

NSE gamma (Neuron Specific Enolase, gamma) (Neuroendocrine Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214941	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

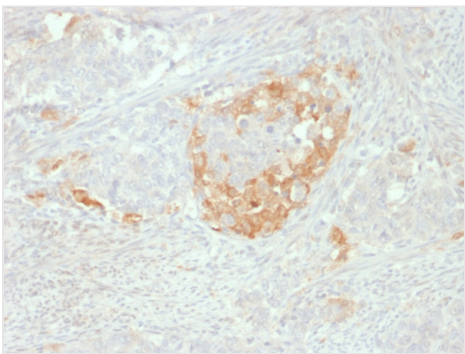
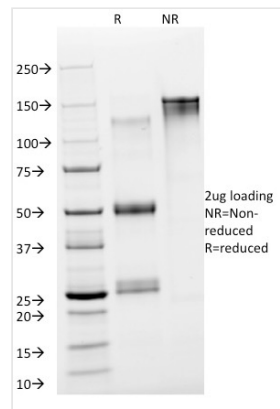
PRODUCT SYNONYMS

NSE gamma (Neuron Specific Enolase; gamma); Monoclonal Antibody; gamma) (Neuroendocrine Marker); 2-phospho-D-glycerate hydrolyase; ENO2; ENOG; Enolase 2 gamma neuronal; Enolase2; Gamma-enolase; Neural enolase; Neuron specific gamma enolase; Neuron-specific enolase; NSE; anti-ENO2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	NSE-P2
Specificity	This monoclonal antibody recognizes a protein of about 50kDa, which is identified as gamma-enolase. Three isoenzymes of enolases are identified, alpha, beta and gamma. Alpha-isoform is expressed in most tissues, whereas beta-form is expressed predominantly in muscle tissue whereas gamma-enolase is found only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. NSE-gamma is a useful marker to identify peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas. It is usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	434
Applicable Applications for anti-ENO2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	HepG2, SH-SY-5Y, HeLa or Y79 cells. Pancreas, Cerebellum or Pheochromocytoma.
Immunogen	A synthetic peptide of human NSE gamma (around aa416-433) (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12p13
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Neuroendocrine tumor stained with NSE gamma Mouse Monoclonal Antibody (NSE-P2).

SDS-PAGE
SDS-PAGE Analysis Purified NSE gamma Mouse Monoclonal Antibody (NSE-P2).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Verma, M., et al. 1994. DNA sequences encoding enolase are remarkably conserved from yeast to mammals. Life Sci. 55: 893-899.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966.1
NCBI GenBank Nucleotide #	NP_001966.1
UniProt Accession #	P09104
Molecular Weight	~50kDa
NCBI Official Full Name	gamma-enolase
NCBI Official Synonym Full Names	enolase 2
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE; HEL-S-279
NCBI Protein Information	gamma-enolase
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://stage.aaabiotech.com/monoclonal/nse-gamma-neuron-specific-enolase-gamma-antibody-clone-nse-p2-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214941>