

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

NSE antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48125	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

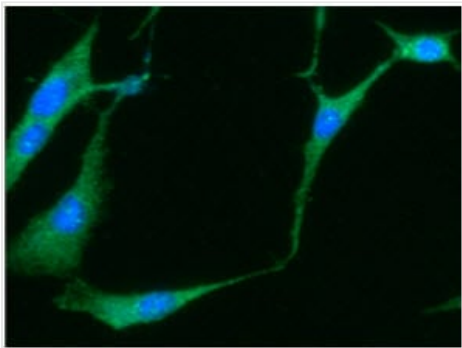
PRODUCT SYNONYMS

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

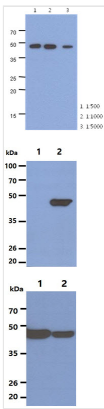
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT17D10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	434
Applicable Applications for anti-NSE antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human NSE (1-434aa) purified from E. coli
Clone Note	Anti-human NSE mAb, clone AT17D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NSE protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of NSE in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human NSE antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The extracts of mouse brain (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NSE antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (5ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NSE antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: NSE Transfected 293T cell lysate The Cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NSE antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: U-87 MG cell lysate Lane 2.: Jurkat cell lysate The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NSE antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant protein ENO1 Lane 2.: Recombinant protein NSE (ENO2) Lane 3.: Recombinant protein ENO3

ADDITIONAL INFORMATION

Related Product Information for anti-NSE antibody	Neuron-specific enolase (NSE) is a glycolytic isoenzyme which is located in central and peripheral neurons and neuroendocrine cells. This enzyme is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue may release NSE into the blood. NSE is a useful substance that has been detected in patients with certain tumors, namely: neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma.
Product Categories/Family for anti-NSE antibody	Neuroscience
References	Oliva D, Cali L, Feo S, Giallongo A (1991). Genomics 10 (1): 157-65.; Craig SP, Day IN, Thompson RJ, Craig IW (1991). Cytogenet. Cell Genet. 54 (1-2): 71-3.; McAleese SM, Dunbar B, Fothergill JE, et al. (1989). Eur. J. Biochem. 178 (2): 413-7.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966
NCBI GenBank Nucleotide #	NM_001975.2
UniProt Accession #	P09104; Q96J33; B7Z2X9
Molecular Weight	42,707 Da
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

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-antibody-clone-at17d10-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48125>