

anti-Human NSE (Neuron Specific Enolase) Antibody | anti-NSE antibody

NSE (Neuron Specific Enolase), Antibody

CATALOG # AAA76482	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence
------------------------------	----------------------------	---

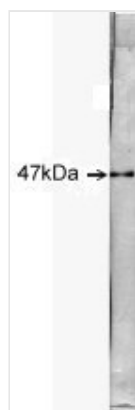
PRODUCT SYNONYMS

NSE (Neuron Specific Enolase); Antibody; anti-NSE antibody

PRODUCT SPECIFICATIONS

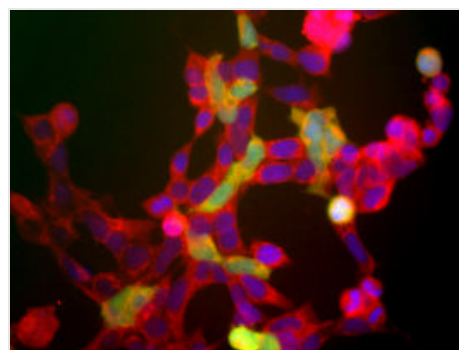
Reactivity	Human
Form/Format	Whole serum - Liquid
Sequence Length	434
Applicable Applications for anti-NSE antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Rabbit IgG
Immunogen	Purified recombinant full length human NSE protein from E Coli.

IMAGES



Application Data

Image: Blot of rat spinal cord probed with rabbit antibody to NSE. The antibody stains a single sharp band corresponding to NSE at about 47kDa. Protocol on data-sheet.



Application Data

Image: shows the human embryonic kidney cells line 293 (Hek293), which express many neuronal proteins (1). The red channel shows staining with NSE, which recognizes all of these 293 cells. The green channels shows staining for another neuronal marker with mouse monoclonal to ubiquitin C-terminal hydrolase 1 (UCHL1) antibody. This neuronal gene is apparently activated in a cell density dependent fashion and at this stage only a few cells express this protein. However all cells that express NSE also express UCHL1.

ADDITIONAL INFORMATION

Related Product Information for anti-NSE antibody

Human Neuron specific enolase (NSE) (EC 4.2.1.11) is a 47,138 dalton protein (434 amino acids) expressed in neurons of the peripheral nervous system (PNS) and central nervous system (CNS). NSE catalyzes the conversion of 2-phospho-Dglycerate into phosphoenol pyruvate, and is an essential enzyme in energy metabolism in nervous tissues.

NSE corresponds to ENO2 or enolase gamma and is heavily expressed in neuronal cells, developing neuronal lineage and neuroendocrine cells. Release of NSE from damaged neurons into CSF and blood has also been used as a biomarker of neuronal injury.

Product Categories/Family for anti-NSE antibody

Antibodies; Neuronal-Glial Markers; Neuron/Synapse Markers; Neuron Specific Enolase (NSE) /ENO2

NCBI AND UNIPROT INFORMATION

NCBI GI #	359719155
NCBI GeneID	102190860
Molecular Weight	47,266 Da
NCBI Official Full Name	neuron-specific enolase
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE
NCBI Protein Information	enolase 2 (gamma, neuronal)
UniProt Protein Name	Neuron-specific enolase
UniProt Gene Name	NSE
UniProt Entry Name	G9JNA8_CAPHI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-antibody/nse-neuron-specific-enolase/76482>