

Datasheet for ABIN5646903  
**anti-ENO2/NSE antibody (AA 416-433)**



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4 Images

## Overview

Quantity:	100 µg
Target:	ENO2/NSE (ENO2)
Binding Specificity:	AA 416-433
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ENO2/NSE antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 416-433 of human NSE were used as the immunogen for this Neuron Specific Enolase antibody.
Clone:	ENO2-1462
Isotype:	IgG2b
Characteristics:	This mAb recognizes a protein of about 50 kDa which is identified as gamma-Enolase/Neuron Specific Enolase/Enolase 2. 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 and 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 is a useful

## Product Details

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marker to identify peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas. It can be usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.

Purification:	Purified
Purity:	Protein G affinity chromatography

## Target Details

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Target:	ENO2/NSE (ENO2)
Alternative Name:	NSE / Neuron Specific Enolase ( <a href="#">ENO2 Products</a> )
Background:	This mAb recognizes a protein of about 50 kDa which is identified as gamma-Enolase/Neuron Specific Enolase/Enolase 2. 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 and 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 is a useful marker to identify peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas. It can be usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.

## Application Details

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Application Notes:	<p>The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Neuron Specific Enolase antibody to be titrated up or down for optimal performance.</p> <p>1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min. \. FACS: 0.5-1 µg/million cells in 0.1ml, Immunofluorescence: 1-2 µg/mL, Immunohistochemistry (FFPE): 0.1-0.2 µg/mL for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)</p>
Restrictions:	For Research Use only

## Handling

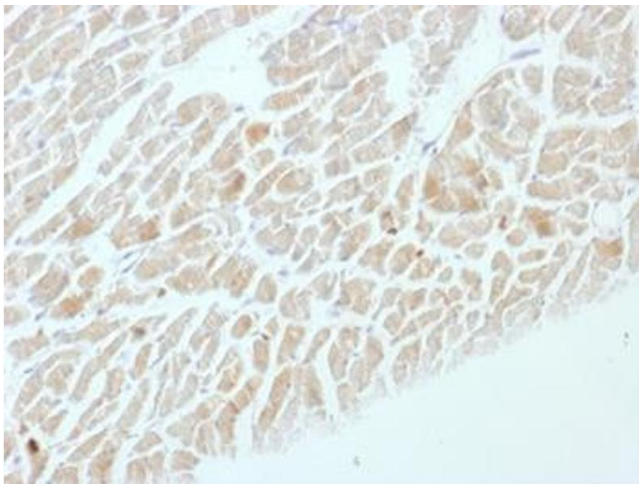
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Concentration:	1 mg/mL
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## Handling

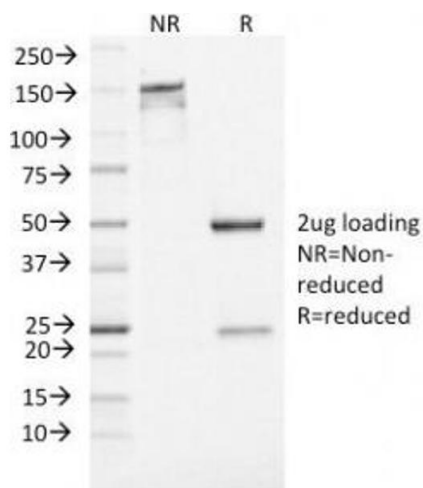
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C, -20 °C
Storage Comment:	Store the Neuron Specific Enolase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## Images



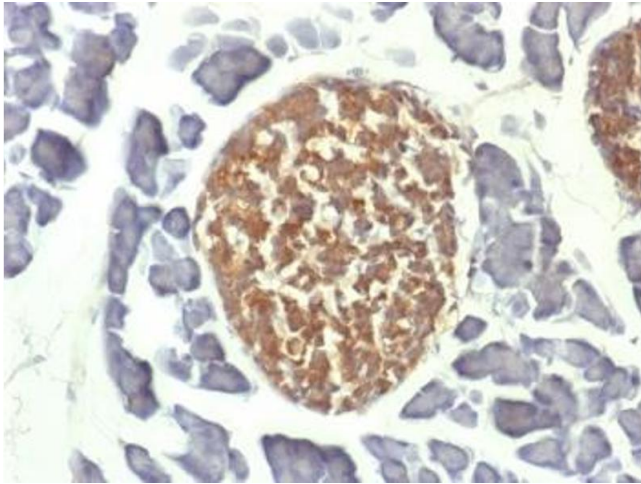
### Immunohistochemistry

**Image 1.** IHC testing of FFPE rat heart with NSE antibody (clone ENO2/1462). Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min.



### SDS-PAGE

**Image 2.** SDS-PAGE Analysis of Purified, BSA-Free Neuron Specific Enolase Antibody (clone ENO2/1462). Confirmation of Integrity and Purity of the Antibody.



### Immunohistochemistry

**Image 3.** IHC testing of FFPE mouse pancreas with NSE antibody (clone ENO2/1462). Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5646903.