Datasheet for ABIN4949836

anti-ENO2/NSE antibody (AA 416-433)

5 Images

Go to Product page

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:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 416-433 of human Neuron Specific Enolase were used as the immunogen for this NSE antibody.
Clone:	ENO2-1375
Isotype:	IgG2b
Purification:	Protein G affinity chromatography

Target Details

Target:	ENO2/NSE (ENO2)
Alternative Name:	NSE / Neuron Specific Enolase (ENO2 Products)

Target Details

Background:	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 phosphenolpyruvic acid in the glycolytic pathway. NSE is a useful marker to identify peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas. It it be usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.
Gene ID:	2026

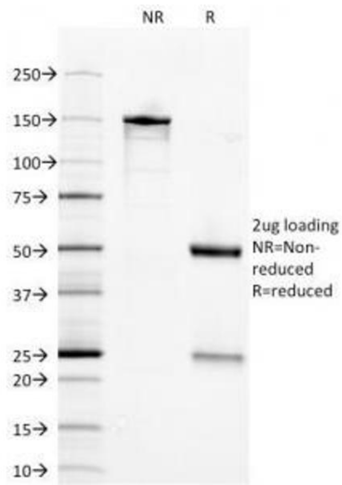
Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the NSE antibody to be titered up or down for optimal performance.\. Western blot: 0.5-1 μg/mL,FACS: 0.5-1 μg/million cells in 0.1ml,IF: 1-2 μ g/mL,IHC (FFPE): 0.1-0.2 μg/mL for 30 min at RT
Restrictions:	For Research Use only

Handling

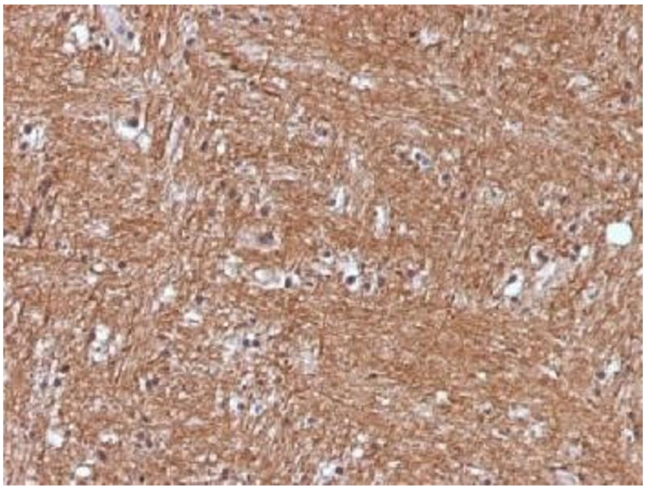
Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the NSE antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



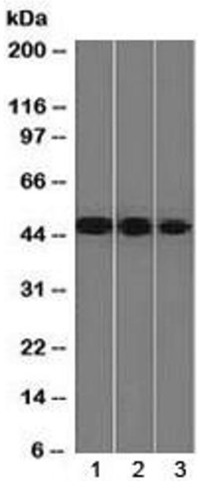
SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free NSE Antibody (clone ENO2/1375). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry

Image 2. IHC testing of FFPE human cerebellum with NSE antibody (clone ENO2/1375). Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min.



Western Blotting

Image 3. Western blot testing of human 1) Y79, 2) HeLa and 3) HepG2 cell lysate with NSE antibody (clone ENO2/1375). Predicted molecular weight ~47 kDa.

Please check the product details page for more images. Overall 5 images are available for ABIN4949836.