

NSE Antibody / Neuron Specific Enolase

Catalog No: tcna1222



Available Sizes

Size: 20ug

Size: 100ug



Specifications

Application:

WB, IHC-P, FACS, IF

Species Reactivity:

Human, Mouse, Rat. Other species not known.

Host Species:

Mouse

Immunogen / Amino acids:

Amino acids 416-433 of human Neuron Specific Enolase were used as the immunogen for this NSE antibody.

Conjugation:

Unconjugated

Clonality:

Monoclonal

Clones:

ENO2/1375

Isotype:

Mouse IgG2b

Form:

Liquid

Storage Buffer:

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Concentration:

0.2 mg/ml

Recommended Dilution:

Western blot: 0.5-1ug/ml

FACS: 0.5-1ug/million cells in 0.1ml

IF: 1-2ug/ml

IHC (FFPE): 0.1-0.2ug/ml for 30 min at RTThe 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.

Storage Instruction:

Store the NSE antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

SwissProt:

P09104

Gene ID:

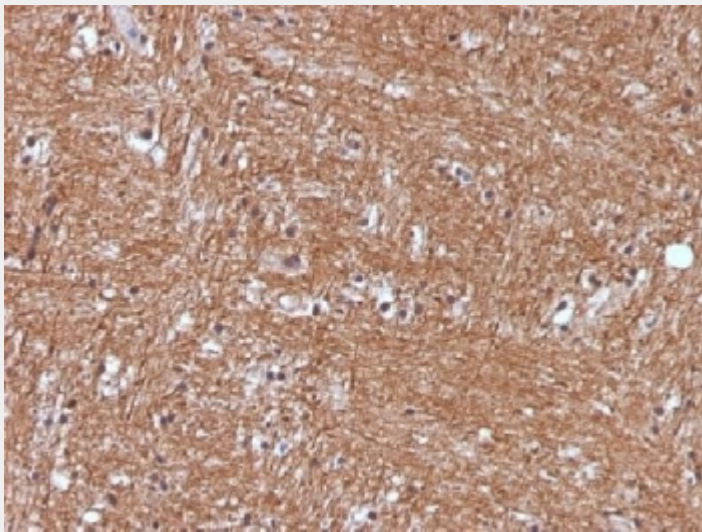
2026 (human);

References

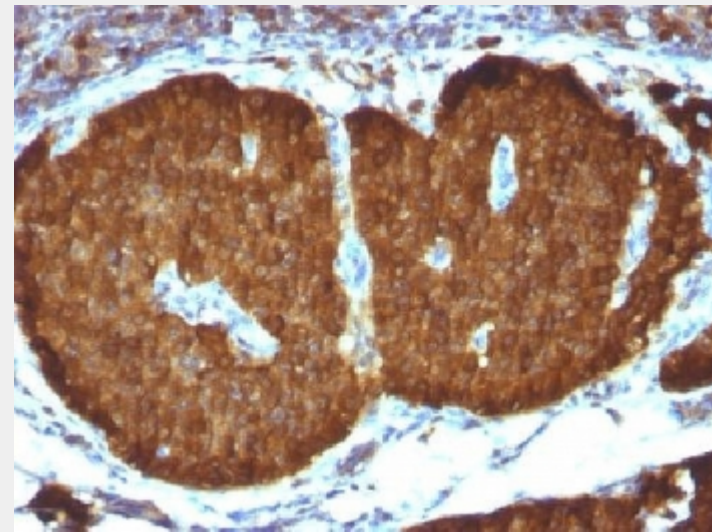
Protein G affinity chromatography

Product Description

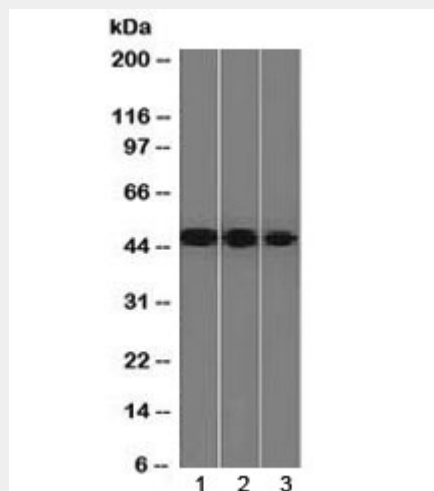
Recognizes a protein of about 50kDa, which is identified as gamma-Enolase/Neuron Specific Enolase/Enolase 2. Three isoenzymes of enolases are identified, alpha, beta and gamma. Alpha-isoform is expressed in most tissues, whereas beta-form is expressed predominantly in muscle tissue and gamma-enolase 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 it be usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.



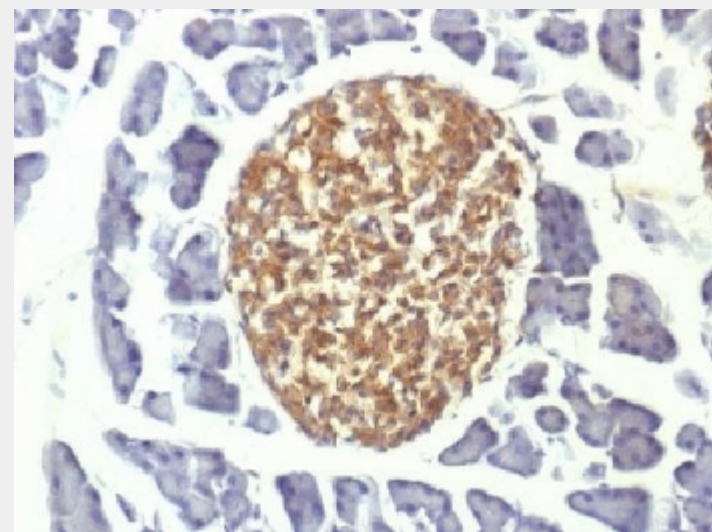
IHC testing of FFPE human cerebellum with NSE antibody (clone ENO2/1375).
Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min.



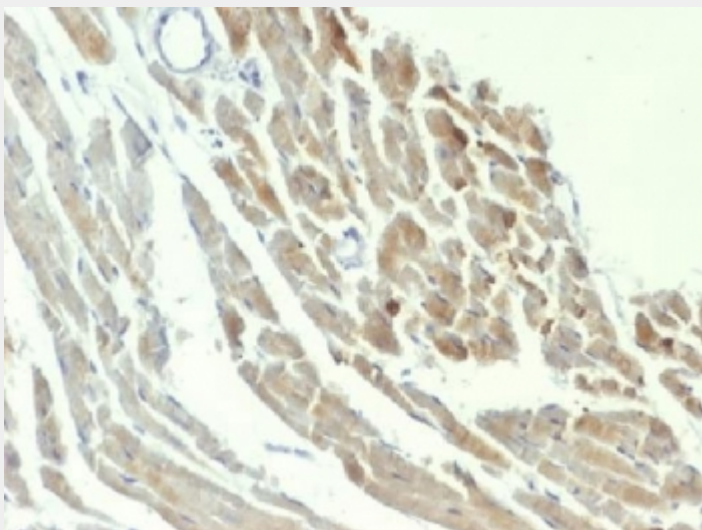
IHC testing of FFPE human pheochromocytoma with NSE antibody (clone ENO2/1375). Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min.



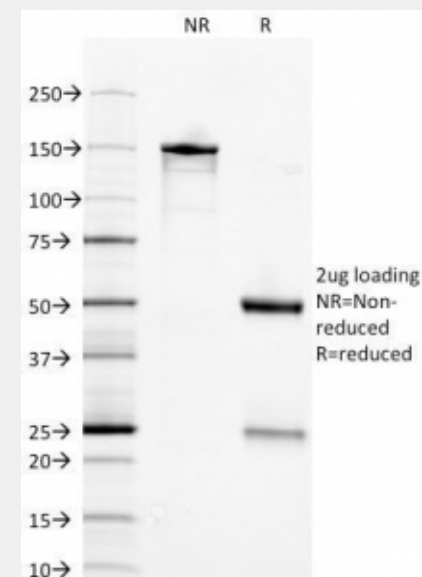
Western blot testing of human 1) Y79, 2) HeLa and 3) HepG2 cell lysate with NSE antibody (clone ENO2/1375). Predicted molecular weight ~47 kDa.



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



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



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

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!