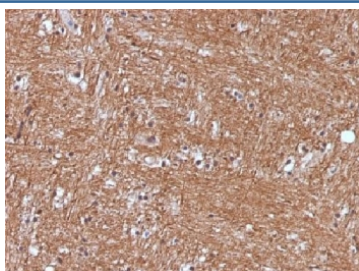


NSE Antibody / Neuron Specific Enolase [clone ENO2/1375] (V3398)

Catalog No.	Formulation	Size
V3398-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3398-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3398SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

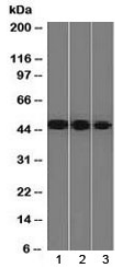
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ENO2/1375
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P09104
Gene ID	2026
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.2-0.4ug/ml for 30 min at RT
Limitations	This NSE antibody is available for research use only.



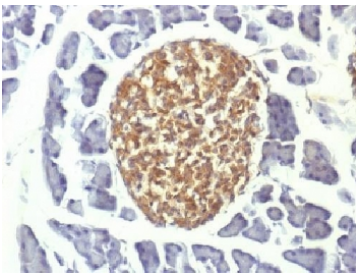
IHC testing of FFPE human cerebellum with NSE antibody (clone ENO2/1375). Required HIER: boil sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



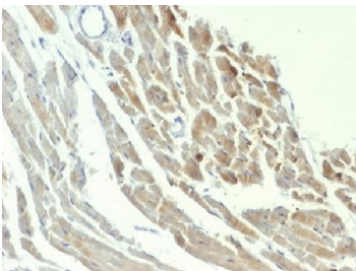
IHC testing of FFPE human pheochromocytoma with NSE antibody (clone ENO2/1375). Required HIER: boil sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



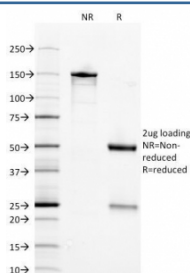
Western blot testing of human 1) Y79, 2) HeLa and 3) HepG2 cell lysate with NSE antibody (clone ENO2/1375). Predicted molecular weight ~47 kDa.



IHC testing of FFPE mouse pancreas with NSE antibody (clone ENO2/1375). Required HIER: boil sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



IHC testing of FFPE rat heart with NSE antibody (clone ENO2/1375). Required HIER: boil sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



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

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 is usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.

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.

Immunogen

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

Storage

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