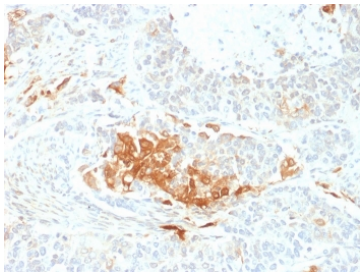
NSE Antibody / Neuron-specific enolase gamma [clone ENO2/2706] (V8361)

Catalog No.	Formulation	Size
V8361-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8361-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8361SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ENO2/2706
Purity	Protein G affinity chromatography
UniProt	P09104
Localization	Cytoplasmic
Applications	ELISA: Use Ab at 2-4ug/ml for coating; order Ab without BSA Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This NSE antibody is available for research use only.



NSE Antibody FFPE Neuroendocrine Tumor IHC. Immunohistochemistry staining of FFPE human neuroendocrine tumor with NSE antibody (clone ENO2/2706). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

NSE Antibody recognizes a protein of about 50kDa, which is identified as gamma-enolase. 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 whereas 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-gamma 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.

For detection of neuron-specific enolase (NSE), also known as gamma enolase, across tissue types, see our NSE antibody.

Application Notes

Optimal dilution of the NSE antibody should be determined by the researcher.

Immunogen

A portion of amino acids 416-433 from the human protein was used as the immunogen for the NSE antibody.

Storage

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

Copyright © NSJ Bioreagents. All rights reserved.