

NSE antibody [N1C1]

Cat. No. GTX101553

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, IHC-Fr
Reactivity	Human, Mouse, Rat

References (2)

Package

100 µl, 25 µl

PRODUCT

Summary

NSE is a 78 kDa gamma-homodimer expressed as a dominant enolase-isoenzyme in neuronal and neuroendocrine tissues. Elevated levels of serum NSE are often associated with neuronal disorders and neural crest-derived tumors. Up to 70 percent of patients with small cell lung carcinoma (SCLC) have high levels of serum NSE, as SCLC cells can express neuronal gene programs.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000

Not tested in other applications.

Calculated MW 47 kDa. ([Note](#))

Product Note

This antibody was raised against human NSE (ENO2) protein, but it may cross react other family members based on sequence homology.

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.13 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human NSE. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.



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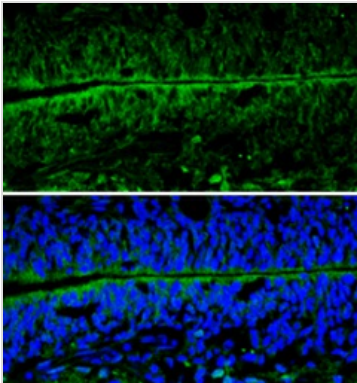
Conjugation

Unconjugated

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

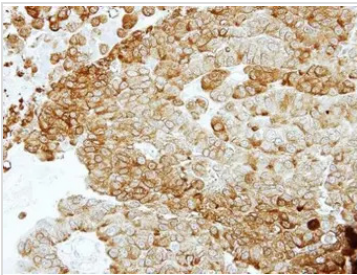
DATA IMAGES

GTX101553 IHC-Fr Image

NSE antibody [N1C1] detects NSE protein expression by immunohistochemical analysis.

Sample: Frozen sectioned E13.5 Rat brain.

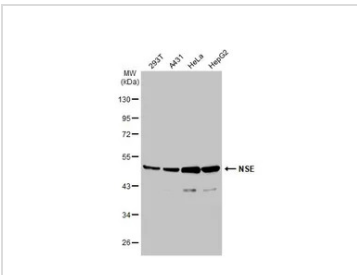
Green: NSE protein stained by NSE antibody [N1C1] (GTX101553) diluted at 1:250.

Blue: Fluoroshield with DAPI (GTX30920).


GTX101553 IHC-P Image

Immunohistochemical analysis of paraffin-embedded PC14 xenograft, using ENO2(GTX101553) antibody at 1:100 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min


GTX101553 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with NSE antibody [N1C1] (GTX101553) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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