

## NSE antibody [N1C1]

Cat. No. GTX101553

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, IHC-P, IHC-Fr
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	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.
<b>Concentration</b>	0.13 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human NSE. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.

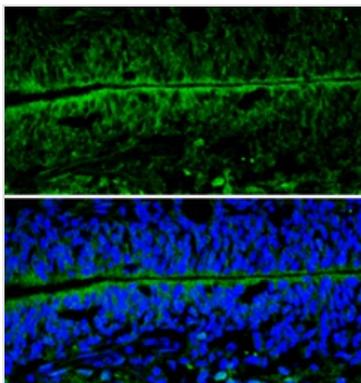


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**Conjugation** Unconjugated

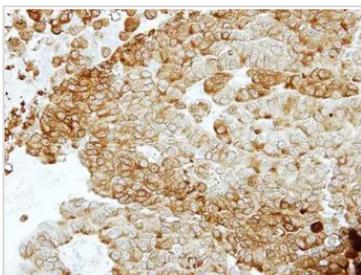
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DATA IMAGES



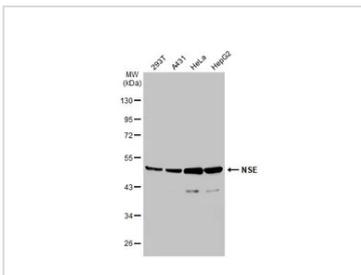
**GTX101553 IHC-Fr Image**

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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