

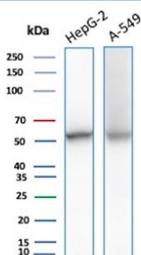
## NSE Gamma Antibody / Neuron Specific Enolase / ENO2 [clone ENO/8632R] (V4232)

Catalog No.	Formulation	Size
V4232-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4232-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4232SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

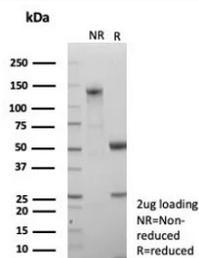
Recombinant **RABBIT MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	ENO/8632R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P09104
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT Western Blot : 2-4ug/ml
<b>Limitations</b>	This NSE Gamma antibody is available for research use only.



Western blot testing of human HepG2 and A549 cell lysate with NSE Gamma antibody (clone ENO/8632R). Predicted molecular weight ~47 kDa.



SDS-PAGE analysis of purified, BSA-free NSE Gamma antibody (clone ENO/8632R) as confirmation of integrity and purity.

## Description

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

## Application Notes

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

## Immunogen

A recombinant fragment of human NSE gamma (within amino acids 416-433) was used as the immunogen for the NSE Gamma antibody.

## Storage

Aliquot the NSE Gamma antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.