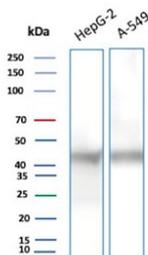


## Gamma Enolase Antibody / ENO2 / NSE gamma [clone ENO2/9046] (V5452)

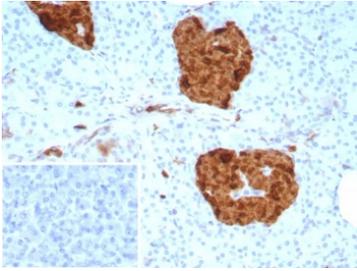
Catalog No.	Formulation	Size
V5452-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5452-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5452SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

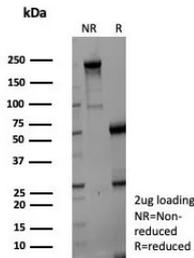
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	ENO2/9046
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P09104
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
<b>Limitations</b>	This Gamma Enolase antibody is available for research use only.



Western blot testing of human 1) HepG2 and 2) A549 cell lysate with Gamma Enolase antibody (clone ENO2/9046). Predicted molecular weight ~47 kDa.



IHC staining of FFPE human pancreas tissue with Gamma Enolase antibody (clone ENO2/9046). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Gamma Enolase antibody (clone ENO2/9046) 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 predominantly 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 Gamma Enolase antibody should be determined by the researcher.

## Immunogen

A recombinant fragment of human NSE gamma (within amino acids 150-300) was used as the immunogen for the Gamma Enolase antibody.

## Storage

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