

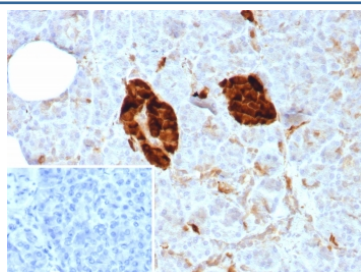
NSE Antibody / Neuron Specific Enolase / ENO2 [clone ENO/8614R] (V4231)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V4231-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4231-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4231SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

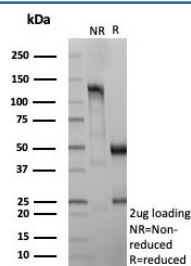
Recombinant **RABBIT MONOCLONAL**

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| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Recombinant Rabbit Monoclonal |
| Isotype | Rabbit IgG, kappa |
| Clone Name | ENO/8614R |
| Purity | Protein A/G affinity |
| UniProt | P09104 |
| Localization | Cytoplasm |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT |
| Limitations | This NSE antibody is available for research use only. |



IHC staining of FFPE human pancreas tissue with NSE antibody (clone ENO/8614R). 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 NSE gamma antibody (clone ENO/8614R) 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 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 antibody.

Storage

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