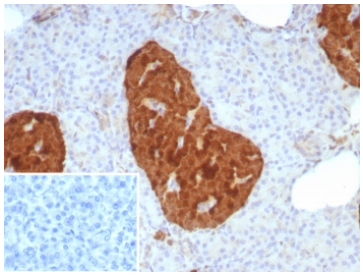
ENO2 Antibody / Neuron Specific Enolase / Gamma Enolase [clone rENO/8857] (V4226)

Catalog No.	Formulation	Size
V4226-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4226-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4226SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rENO/8857
Purity	Protein A/G affinity
UniProt	P09104
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This ENO2 antibody is available for research use only.



ENO2 Antibody Pancreas IHC. Immunohistochemistry staining of FFPE human pancreas tissue with ENO2 antibody (clone rENO/8857). 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.

Description

ENO2 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 phosphenolpyruvic 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.

For detection of neuron-specific enolase (NSE), also known as gamma enolase, across tissue types, see our NSE antibody.

Application Notes

Optimal dilution of the ENO2 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 ENO2 antibody.

Storage

Aliquot the ENO2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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