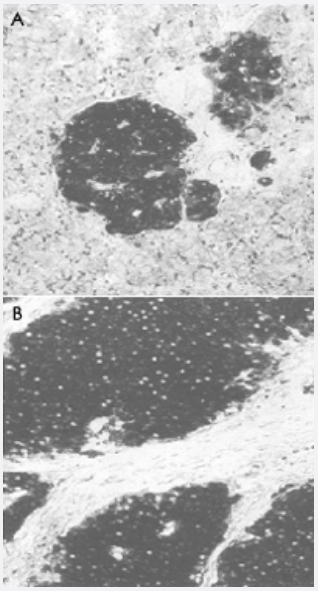
ENO2 monoclonal antibody, clone NSE-P2

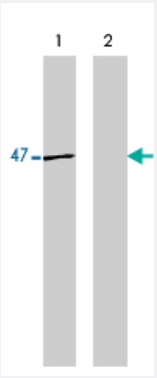
Catalog # MAB1963 Size 200 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of normal pancreas tissue (A) and small bowel tumor tissue (B) using ENO2 monoclonal antibody, clone NSE-P2 (Cat # MAB1963).



Western Blot (Recombinant protein)

Western blot analysis using ENO2 monoclonal antibody, clone NSE-P2 (Cat # MAB1963) on gamma-enolase, 100 ng (lane 1) and alpha-enolase, 500 ng (lane 2) standards.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of ENO2.
Immunogen	A synthetic peptide corresponding to human ENO2.
Host	Mouse

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Reactivity	Chicken, Human, Mouse
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western blot (1 to 2 ug/mL) Immunohistochemistry on formalin to fixed/paraffin to embedded tissues (1 to 5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of normal pancreas tissue (A) and small bowel tumor tissue (B) using ENO2 monoclonal antibody, clone NSE-P2 (Cat # MAB1963).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

  Western blot analysis using ENO2 monoclonal antibody, clone NSE-P2 (Cat # MAB1963) on gamma-enolase, 100 ng (lane 1) and alpha-enolase, 500 ng (lane 2) standards.

Gene Info — ENO2

Entrez GeneID	2026
Gene Name	ENO2
Gene Alias	NSE
Gene Description	enolase 2 (gamma, neuronal)
Omim ID	131360
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates. [provided by RefSeq
Other Designations	2-phospho-D-glycerate hydrolyase|enolase 2|neural enolase|neuron specific gamma enolase|neurone-specific enolase

Publication Reference

- Plasma S100beta and NSE levels and progression in multiple sclerosis.

  Koch M, Mostert J, Heersema D, Teelken A, De Keyser J.

  Journal of the Neurological Sciences 2007 Jan; 252(2):154.

  Application: ELISA, Human, Plasma from patients with multiple sclerosis

- S-100B and NSE: markers of initial impact of subarachnoid haemorrhage and their relation to vasospasm and outcome.

  Oertel M, Schumacher U, McArthur DL, Kästner S, Böker DK.

  Journal of Clinical Neuroscience 2006 Oct; 13(8):834.

  Application: RIA, Human, Serum from patients with subarachnoid haemorrhage

- Immunoreactive neuron-specific enolase (NSE) is expressed in testicular carcinoma-in-situ.

  Kang JL, Meyts ER, Skakkebaek NE.

  The Journal of Pathology 1996 Feb; 178(2):161.

  Application: IHC-P, Human, Overt germ cell tumours, Testicular carcinoma, Testes

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids

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- Glycolysis / Gluconeogenesis
- Metabolic pathways
- RNA degradation

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Genetic Predisposition to Disease
- Neuroblastoma
- Schizophrenia

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