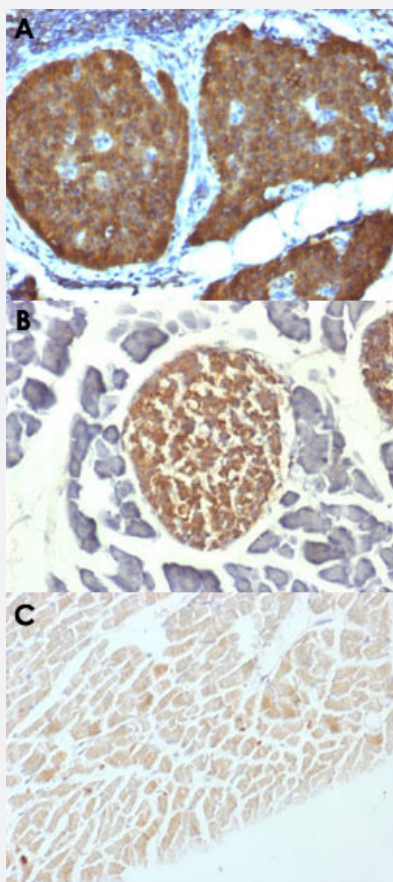


# ENO2 monoclonal antibody, clone ENO2/1462

Catalog # MAB14516      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma (A), mouse pancreas (B) and rat heart (C) with ENO2 monoclonal antibody, clone ENO2/1462 (Cat # MAB14516).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against synthetic peptide of human ENO2.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 416-433 of human ENO2.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	~50

Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b
Recommend Usage	Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.1-0.2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma (A), mouse pancreas (B) and rat heart (C) with ENO2 monoclonal antibody, clone ENO2/1462 (Cat # MAB14516).

- Immunofluorescence

- Flow Cytometry

## Gene Info — ENO2

Entrez GeneID	<a href="#">2026</a>
Protein Accession#	<a href="#">P09104</a>
Gene Name	ENO2
Gene Alias	NSE
Gene Description	enolase 2 (gamma, neuronal)
Omim ID	<a href="#">131360</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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|neuron-specific enolase

## Publication Reference

- [DNA sequences encoding enolase are remarkably conserved from yeast to mammals.](#)

Verma M, Dutta SK.

Life Sciences 1994 Jun; 55(12):893.

## 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](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [RNA degradation](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)

- [Neuroblastoma](#)
- [Schizophrenia](#)