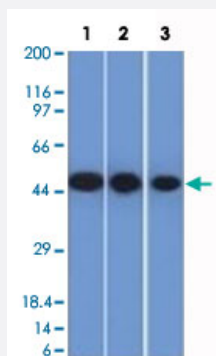


ENO2 monoclonal antibody, clone ENO2/1375

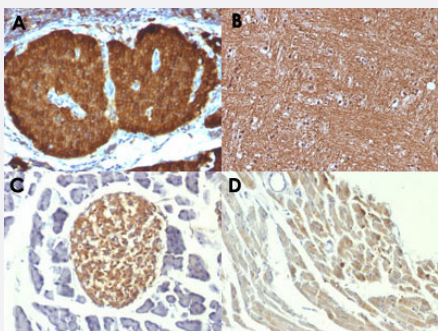
Catalog # MAB14514 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Y79, Lane 2: HeLa and Lane 3: HepG2 cell lysates with ENO2 monoclonal antibody, clone ENO2/1375 (Cat # MAB14514).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma (A), human cerebellum (B), mouse pancreas (C) and rat heart (D) with ENO2 monoclonal antibody, clone ENO2/1375 (Cat # MAB14514).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human ENO2.
Immunogen	A synthetic peptide corresponding to amino acids 416-433 of human ENO2.
Host	Mouse
Theoretical MW (kDa)	~50
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Protein A/G purification
Isotype	IgG2b
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.1-0.2 ug/mL) Western Blotting (0.5-1 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

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Y79, Lane 2: HeLa and Lane 3: HepG2 cell lysates with ENO2 monoclonal antibody, clone ENO2/1375 (Cat # MAB14514).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma (A), human cerebellum (B), mouse pancreas (C) and rat heart (D) with ENO2 monoclonal antibody, clone ENO2/1375 (Cat # MAB14514).

- Immunofluorescence

- Flow Cytometry

Gene Info — ENO2

Entrez GeneID	2026
Protein Accession#	P09104
Gene Name	ENO2
Gene Alias	NSE
Gene Description	enolase 2 (gamma, neuronal)
Omim ID	131360

Gene Ontology

[Hyperlink](#)

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](#)