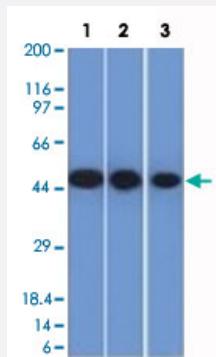


ENO2 monoclonal antibody, clone ENO2/1375

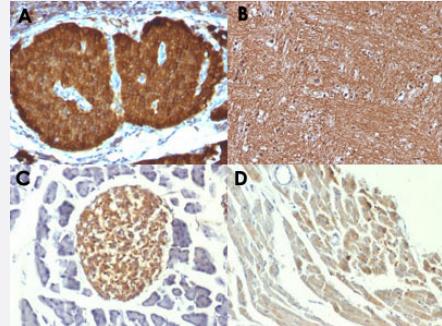
Catalog # MAB14514 Size 100 ug

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 GenelID | 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](#)