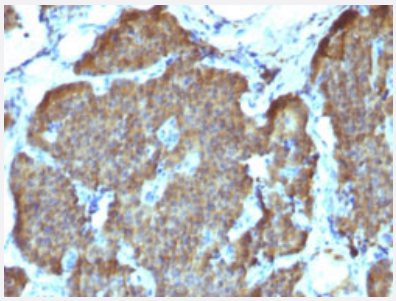
ENO2 monoclonal antibody, clone SPM347

Catalog # MAB14515 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma with ENO2 monoclonal antibody, clone SPM347 (Cat # MAB14515).

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
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).

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Storage Instruction	Store at 4°C.
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 (Formalin-fixed paraffin-embedded sections) of human pheochromocytoma with ENO2 monoclonal antibody, clone SPM347 (Cat # MAB14515).

- Immunofluorescence
- Flow Cytometry
- Western Blot

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 h omodimer, 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 Re fSeq
Other Designations	2-phospho-D-glycerate hydrolyase|enolase 2|neural enolase|neuron specific gamma enolase|neur one-specific enolase

Publication Reference

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- 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

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