

Product datasheet for **AM09274PU-N**

NSE (ENO2) Mouse Monoclonal Antibody [Clone ID: 171]

Product data:

Product Type:	Primary Antibodies
Clone Name:	171
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Neuron Specific Enolase (NSE).
Specificity:	Reacts with recombinant Human Neuron Specific Enolase (NSE)
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	enolase 2
Database Link:	Entrez Gene 2026 Human P09104



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Background:	Enolase is a glycolytic enzyme catalyzing the reaction pathway between 2 phospho glycerate and phosphoenol pyruvate. In mammals, enolase molecules are dimers composed of three distinct subunits (alpha, beta and gamma). The alpha subunit is expressed in most tissues and the beta subunit only in muscle. The gamma subunit is expressed primarily in neurons, in normal and in neoplastic neuroendocrine cells. NSE (neuron specific enolase) is found in elevated concentrations in plasma in certain neoplasias. These include pediatric neuroblastoma and small cell lung cancer. Coexpression of NSE and chromogranin A is common in neuroendocrine neoplasms.
Synonyms:	NSE, ENO2, Enolase 2, Neural enolase, Gamma-enolase
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation