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BM151 Monoclonal Antibody to Neuron specific enolase - Purified

Alternate names:	2-phospho-D-glycerate hydro-lyase, ENO2, Enolase 2, Gamma-enolase, NSE, Neural enolase
Quantity:	0.2 mg
Concentration:	1.0 mg/ml
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.
Uniprot ID:	P09104
NCBI:	NP_001966.1
GeneID:	2026
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	5E2
Immunogen:	Native NSE from Human brain
Format:	**State:** Liquid purified IgG fraction **Purification:** Affinity Chromatography on Protein G **Buffer System:** PBS buffer containing 0.09% Sodium Azide as preservative
Applications:	**ELISA.** **Western Blot.** **Immunohistochemistry on Frozen and Paraffin Sections.** Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with a 45 kD band corresponding to NSE on immunoblots of brain extracts. **Species:** Human. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.