



ELK Biotechnology

NSE Mouse mAb

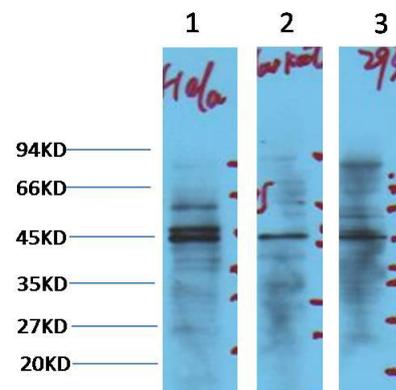
Catalog NO.: EM1066

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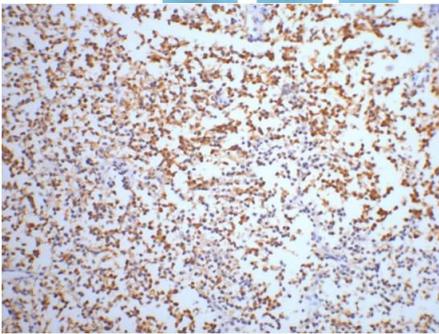
Overview

Product name	NSE Mouse Monoclonal antibody
Source	Mouse
Applications	WB IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	WesternBlot:1/2000 Immunohistochemistry:1/200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	47kDa
GenelD (Human)	2026
Human Swiss-Prot No.	P09104
Cellular localization	Cytoplasm. Cell membrane.
Alternative Names	ENO2 Enolase 2 enolase 2 (gamma neuronal) Gamma enolase Neural enolase Neuron specific enolase
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.



Western blot analysis of) HeLa 2) Jurkat 3) 293T cell lysates with NSE mAb diluted at:3000.



IHC staining of Human small cell carcinoma of lung tissue with NSE mouse mAb(13E2) diluted at:200.