

NSE Mouse Monoclonal Antibody(13E2)

Catalog No.: RA10334

Basic Information

Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	47KD

Applications

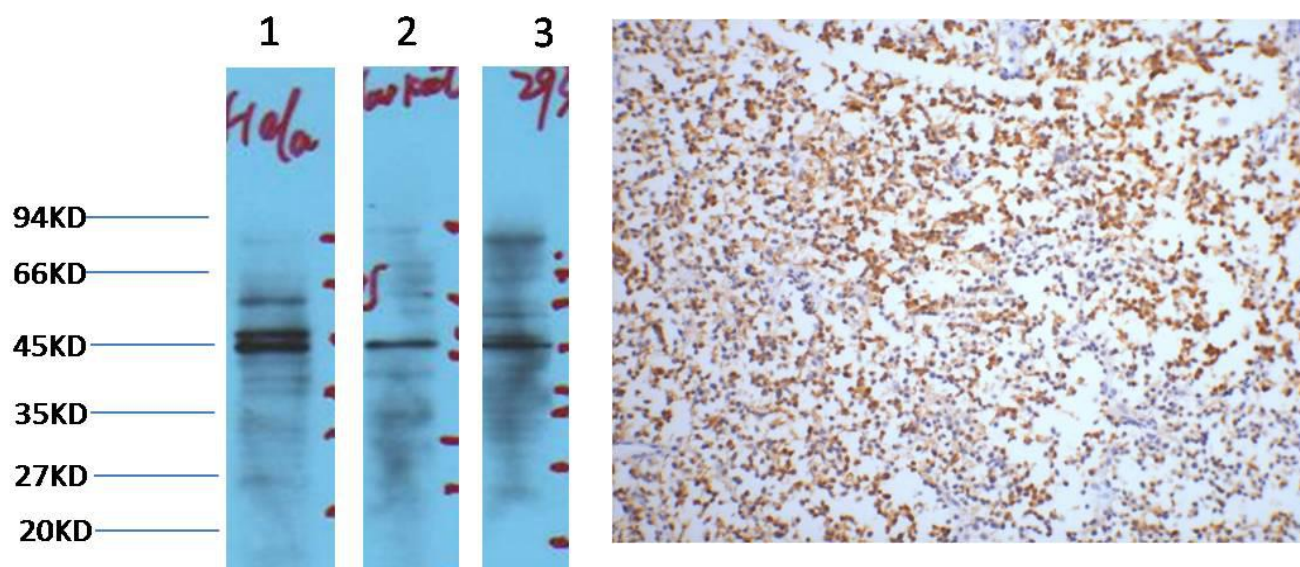
Recommended Dilution

WB	1:2,000
IHC	1:200

Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of 1)Hela, 2)Jurkat, 3)293T cell lysates with NSE mAb diluted at 1:3,000.

IHC staining of Human small cell carcinoma of lung tissue with NSEmouse mAb diluted at 1:200.

Background

Enolase is a glycolytic enzyme catalyzing the reaction pathway between 2 phosphoglycerate 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.