NSE Mouse Monoclonal Antibody(13E2)

Catalog	TDY089C	TDY089F
Quantity	50μL	100μL

Tel：010-82908854
Free：400-0620-621
Web：www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	**H,M,R**	**~47KD**	**IgG1**

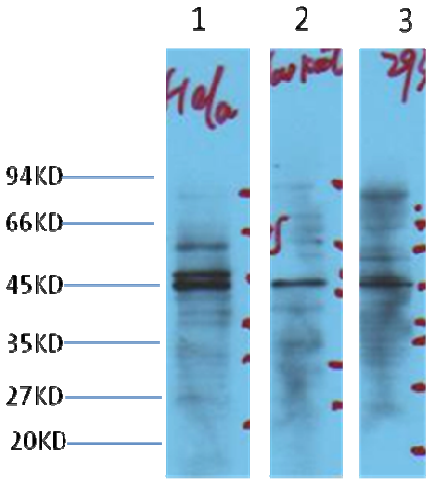
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% ***sodium azide*** as Preservative and 50% Glycerol. Store at ***-20°C***. ***Do not aliquot the antibody***.

Recommended dilutions: **WB: 1:2,000** **IHC: 1:200**

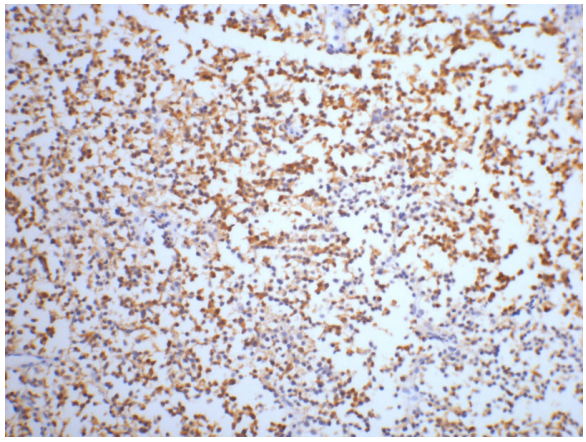
Optimal dilutions should be determined by the end user.

Specificity: The NSE Mouse Monoclonal antibody detects endogenous NSE proteins.

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 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(13E2) diluted at 1:200.

Applications: ***WB-Western blot*** ***IHC-Immunochemistry*** ***IF-Immunofluorescence*** ***IP-Immunoprecipitation*** ***ChIP-Chormatin Immunoprecipitation***
Reactivity: ***H-Human*** ***R-Rat*** ***M-Mouse*** ***Mk-Monkey*** ***Dg-Dog*** ***Ch-Chicken*** ***Hm-Hamster*** ***Rb-Rabbit*** ***Sh-Sheep*** ***Pg-Pig***