

Product Name: NSE (4C7) Mouse Monoclonal Antibody**Catalog #: AMM03693**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

Antigen Information

Gene Name	ENO2
Alternative Names	ENO2; Gamma-enolase; 2-phospho-D-glycerate hydro-lyase; Enolase 2; Neural enolase; Neuron-specific enolase; NSE
Gene ID	2026
SwissProt ID	P09104
Immunogen	Recombinant protein of human NSE

Background

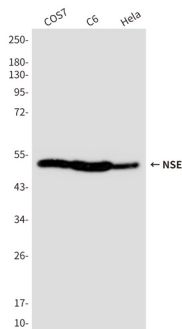
ENO2 an enzyme with 2-phospho-D-glycerate hydro-lyase activity. One of the three enolase isoenzymes found in mammals.

This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

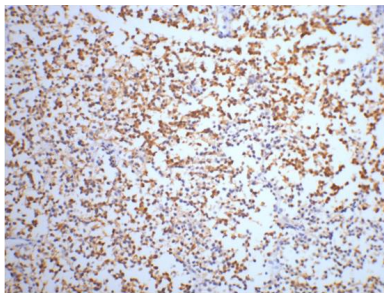
Research Area

Signal Transduction

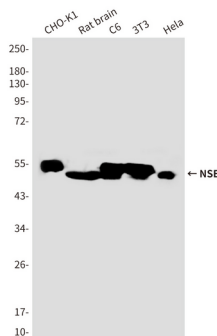
Image Data



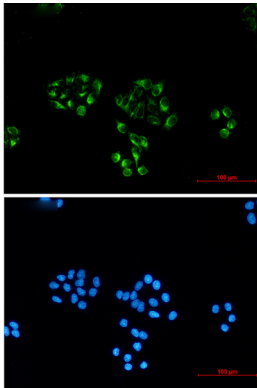
Western blot analysis of Enolase2 in COS7, C6 and HeLa lysates using Enolase2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human small cell carcinoma of lung tissue using NSE antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of NSE (4C7) in Enolase (4C7) in CHO-K1, rat brain, C6, 3T3, HeLa lysates using Enolase (4C7) antibody.



Immunocytochemistry analysis of NSE (4C7) (green) in Hela using NSE (4C7) antibody ,and DAPI(blue)