

Anti-Enolase-2 Antibody

Mouse Monoclonal Antibody Catalog # AP53433

Product Information

ApplicationWB, EPrimary AccessionP09104Other AccessionNM 001975

Reactivity Human, Mouse, Rat

Host Mouse
Clonality Monoclonal

Isotype lgG1

Immunogen Synthetic peptide derived from human NSE.

Purification Affinity purified

Calculated MW 47269

Additional Information

Gene ID 2026

Other Names 2 phospho D glycerate hydrolyase;2-phospho-D-glycerate hydro-lyase;Eno

2;ENO2;ENOG;ENOG_HUMAN;Enolase 2 (gamma, neuronal);Enolase 2;Enolase 2 gamma neuronal;Enolase2;Epididymis secretory protein Li 279;Gamma enolase;Gamma-enolase;HEL S 279;Neural enolase;Neuron specific enolase;Neuron specific gamma enolase;Neuron-specific enolase;Neurone

specific enolase; NSE

Dilution WB~~1:500 E~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH

7.3.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

Protein Information

Name ENO2

Function Has neurotrophic and neuroprotective properties on a broad spectrum of

central nervous system (CNS) neurons. Binds, in a calcium- dependent manner, to cultured neocortical neurons and promotes cell survival (By

similarity).

Cellular Location Cytoplasm. Cell membrane. Note=Can translocate to the plasma membrane

in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma)

form

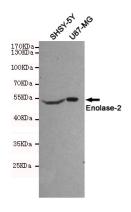
Tissue Location

The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

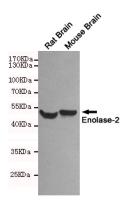
Background

Has neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons. Binds, in a calcium-dependent manner, to cultured neocortical neurons and promotes cell survival.

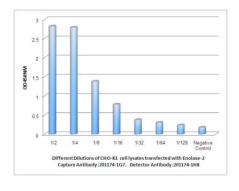
Images



Western blot detection of Enolase-2 in SHSY-5Y and U87-MG cell lysates using Enolase-2 mouse mAb (1:500 diluted). Predicted band size: 47KDa. Observed band size: 47KDa.



Western blot detection of Enolase-2 in Rat Brain and Mouse Brain lysates using Enolase-2 mouse mAb (1:500 diluted). Predicted band size: 47KDa. Observed band size: 47KDa.



Observed Enolase-2 levels in CHO-K1 cell lysates transfected with Enolase-2 at different dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.