10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Enolase-2 Antibody
Mouse Monoclonal Antibody
Catalog # AP53433

Specification

Anti-Enolase-2 Antibody - Product Information

Application	**WB, E**
Primary Accession	P09104
Other Accession	NM_001975
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Immunogen	**Synthetic peptide derived from human NSE.**
Purification	**Affinity purified**
Calculated MW	**47kDa KDa**

Anti-Enolase-2 Antibody - 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

Format
Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Enolase-2 Antibody - 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

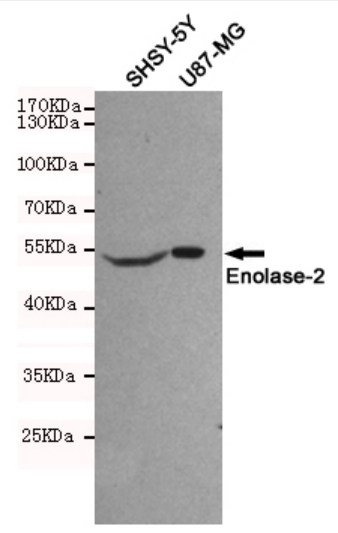
Tissue Location
The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

Anti-Enolase-2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

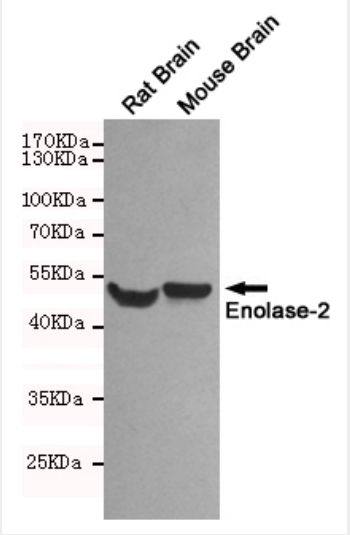
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Enolase-2 Antibody - Images

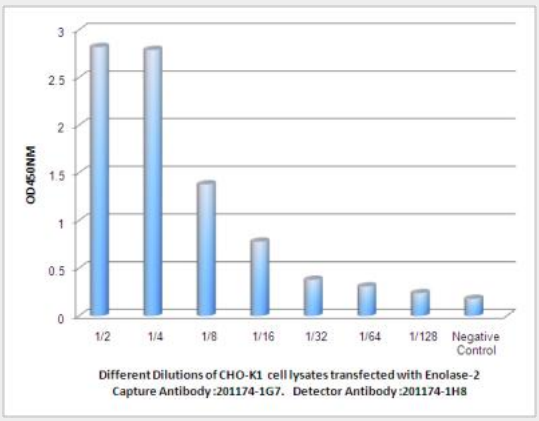


Western blot detection of Enolase-2 in SHSY-5Y and U87-MG cell lysates using Enolase-2 mouse mAb (1:500 diluted).Predicted band size:47KDa.Observed band size:47KDa.

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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.

Anti-Enolase-2 Antibody - 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.