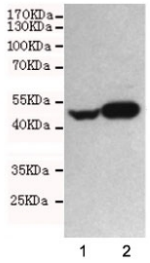
Neuron Specific Enolase Antibody [clone 1G7-B4] (F54038)

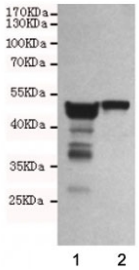
Catalog No.	Formulation	Size
F54038-0.1ML	In 1X PBS with 0.03% ProClin 300	0.1 ml

Bulk quote request

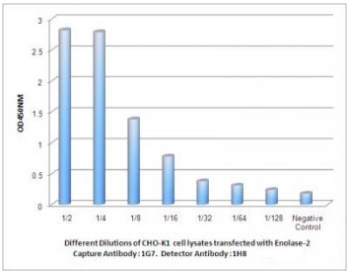
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	1G7-B4
Purity	Protein G affinity
UniProt	P09104
Applications	Western Blot : 1:1000 ELISA : suitable
Limitations	This Neuron Specific Enolase antibody is available for research use only.



Neuron Specific Enolase Antibody SHSY-5Y and U87-MG WB. Western blot testing of human 1) SHSY-5Y and 2) U87-MG cell lysates using Neuron Specific Enolase antibody at 1:1000. Predicted molecular weight ~47 kDa.



Neuron Specific Enolase Antibody Mouse and Rat Brain WB. Western blot testing of 1) rat brain and 2) mouse brain lysates using Neuron Specific Enolase antibody at 1:1000. Predicted molecular weight ~47 kDa.



Observed NSE / Neuron Specific Enolase levels in CHO-K1 cell lysates transfected with Neuron Specific Enolase at different dilution. Pairing: 1G7 (capture) and 1H8 (detect).

Description

Neuron Specific Enolase Antibody detects Neuron Specific Enolase (NSE, Enolase-2), a protein that 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.

For detection of neuron-specific enolase (NSE), also known as gamma enolase, across tissue types, see our NSE antibody.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Neuron Specific Enolase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A synthetic peptide corresponding to part of the human protein was used as the immunogen for the Neuron Specific Enolase antibody.

Storage

Aliquot the Neuron Specific Enolase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.