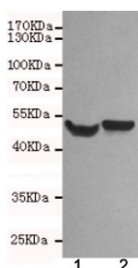


## NSE Antibody / Neuron Specific Enolase [clone 1H8-B4] (F54039)

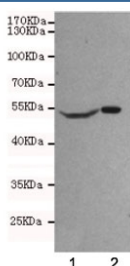
Catalog No.	Formulation	Size
F54039-0.1ML	In 1X PBS with 0.03% ProClin 300	0.1 ml

**Bulk quote request**

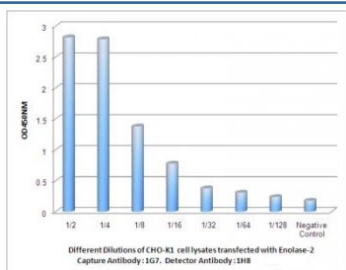
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	1H8-B4
<b>Purity</b>	Protein G affinity
<b>UniProt</b>	P09104
<b>Applications</b>	Western Blot : 1:500 ELISA : suitable
<b>Limitations</b>	This NSE antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysates using NSE antibody at 1:500. Predicted molecular weight ~47 kDa.



Western blot testing of human 1) SHSY-5Y and 2) U87-MG cell lysates using NSE antibody at 1:500. Predicted molecular weight ~47 kDa.



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

## Description

Neuron Specific Enolase (NSE, Enolase-2) 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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the NSE 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 NSE antibody.

## Storage

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