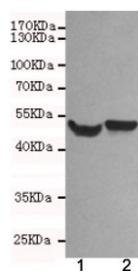


## NSE Antibody / Neuron Specific Enolase [clone 1H8-B4] (F54039)

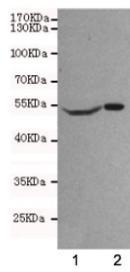
| Catalog No.  | Formulation                      | Size   |
|--------------|----------------------------------|--------|
| F54039-0.1ML | In 1X PBS with 0.03% ProClin 300 | 0.1 ml |

**Bulk quote request**

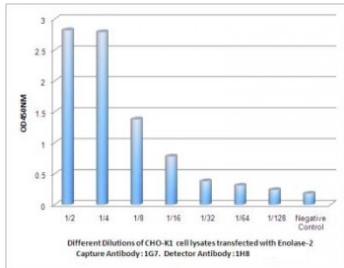
|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                     |
| <b>Species Reactivity</b> | Human, Mouse, 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<br>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.