

# Anti-Neuron specific enolase (NSE) Antibody



## Product Details

|                    |                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 50 µL (SKU:R-1396-50)                                                                                                                                                                                                                                                |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                         |
| Isotype            | Mixed                                                                                                                                                                                                                                                                |
| Host Species       | Rabbit                                                                                                                                                                                                                                                               |
| Format             | Whole serum                                                                                                                                                                                                                                                          |
| Physical State     | Lyophilized                                                                                                                                                                                                                                                          |
| Buffer             | Lyophilized with sodium azide.                                                                                                                                                                                                                                       |
| Applications       | ICC, WB                                                                                                                                                                                                                                                              |
| Dilution Ranges    | WB: 1:1000-1:2000<br>IHC: 1:500                                                                                                                                                                                                                                      |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                    |
| Immunogen          | Recombinant human Neuron Specific Enolase (NSE) expressed in and purified from E.coli                                                                                                                                                                                |
| Specificity        | Specifically recognizes ~47 kDa NSE protein in WB. Human and rat. Predicted to react with other mammals due to sequence homology.                                                                                                                                    |
| Molecular Weight   | 47 kDa                                                                                                                                                                                                                                                               |
| Storage            | Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. |
| UniProt ID         | <a href="#">P09104</a>                                                                                                                                                                                                                                               |
| Country of Origin  | United States                                                                                                                                                                                                                                                        |
| Shipping           | 25°C (ambient)                                                                                                                                                                                                                                                       |

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Expiration      | 12 months after date of receipt (unopened vial). |
| Usage Statement | For research use only.                           |

Product Images

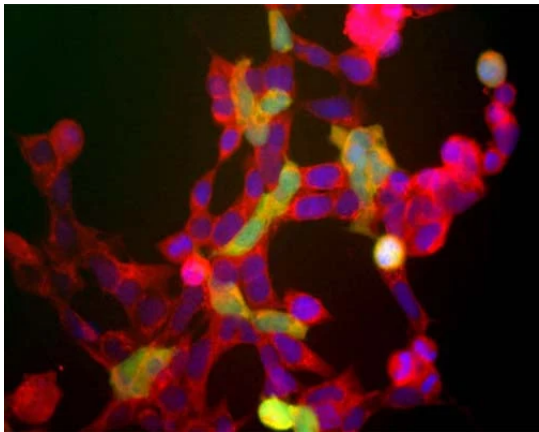
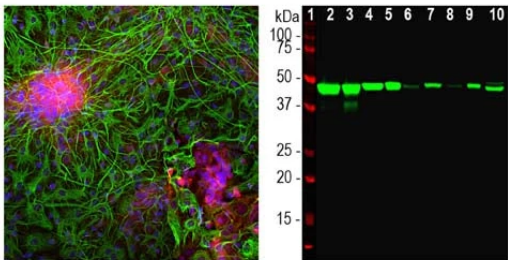


Image shows the human embryonic kidney cells line 293 (Hek293). The red channel shows staining with Rabbit polyclonal antibody to Neuron specific enolase R-1396-50, which recognizes all of these 293 cells. The green channels shows staining for another neuronal marker with Mouse monoclonal antibody to ubiquitin C-terminal hydrolase 1 (UCHL1), M-1407-100. This neuronal gene is apparently activated in a cell density dependent fashion and at this stage only a few cells express this protein. However all cells that express NSE also express UCHL1.



**Left:** Immunofluorescent analysis of mixed cortical neuron-glia cell culture from E20 rat by **Immunocytochemistry**. Cells were stained with rabbit antibody to NSE (red, 1:500), and co-stained with chicken antibody to GFAP (C-1373-50, green, 1:5,000). Blue: Hoechst nuclear dye. The NSE antibody labels protein expressed in neuronal cells, while the GFAP antibody stains intermediate filaments in astrocytes.

**Right: Western blot** analysis of tissue and cell lysates using rabbit antibody to NSE (green, 1:5,000). [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] NIH-3T3, [7] HEK293, [8] HeLa, [9] SH-SY5Y, and [10] C6. A single band at about 47 kDa corresponds to the NSE protein, seen only in extracts containing neurons or neuronal lineage cells.

Product Page URL: [www.antibodiesinc.com/products/anti-neuron-specific-enolase-nse-antibody-r-1396-50](http://www.antibodiesinc.com/products/anti-neuron-specific-enolase-nse-antibody-r-1396-50)

