



Rabbit polyclonal antibody to Neuron specific enolase: Whole serum

Catalogue No.:	R-1396-50
Description:	Enolase is a metalloenzyme that catalyzes the reaction between 2-phospho-D-glycerate and phosphoenolpyruvate during glycolysis. Mammalian enolase is composed of 3 subunits; alpha, beta and gamma (Neuron-specific enolase). These subunits can form homodimers or heterodimers. The alpha/gamma heterodimer and the gamma/gamma homodimer are found primarily in neurons.
Batch No.:	See product label
Unit size:	50 uL
Antigen:	Recombinant human Neuron Specific Enolase (NSE) expressed in and purified from E.coli
Antibody Type:	Antiserum
Other Names:	Gamma-enolase; EC 4.2.1.11; 2-phospho-D-glycerate hydrolyase; Neural enolase; Neuron-specific enolase; NSE; Enolase 2; ENO2;
Accession:	P09104 ENOG_HUMAN;
Produced in:	Rabbit
Applications:	Western Blotting (WB) and Immunocytochemistry (IC). A dilution of 1:1,000 - 1:2,000 is recommended for WB. A dilution of 1:500 is recommended for IC. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specifically recognizes ~47 kDa NSE protein in WB.
Antibody Against:	Neuron specific enolase
Cross-reactivity:	Human and Rat. Predicted to react with other mammals due to sequence homology.
Form:	Lyophilised
Appearance:	White powder
Reconstitution:	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution of lyophilised antibody, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

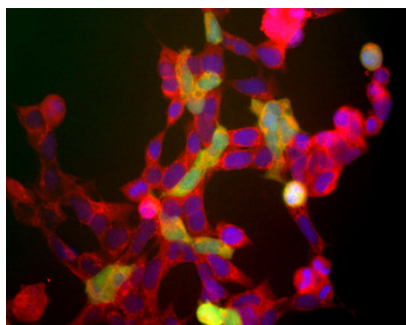


Image shows the human embryonic kidney cells line 293 (Hek293). The red channel shows staining with Rabbit polyclonal antibody to Neuron specific enolase R-1396-50, which recognizes all of these 293 cells. The green channel shows staining for another neuronal marker with Mouse monoclonal antibody to 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.

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