



## Rabbit polyclonal antibody to human Neuron-specific enolase (420-434): Affinity purified

<b>Catalogue No.:</b>	R-1075-100
<b>Description:</b>	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.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (EARFAGHNFRNPSVL) corresponding to a region (420-434) from the C-terminus of human Neuron-specific enolase (NSE). To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Gamma-enolase; EC 4.2.1.11; 2-phospho-D-glycerate hydrolyase; Neural enolase; Neuron-specific enolase; NSE; Enolase 2; ENO2;
<b>Accession:</b>	P09104 ENOG_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human NSE has a predicted length of 434 residues and MW of 47 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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