

**NSE Antibody (Y25) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2780b****Specification**

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**NSE Antibody (Y25) Blocking Peptide - Product Information**

Primary Accession [P09104](#)  
Other Accession [NP\\_001966](#)

**NSE Antibody (Y25) Blocking Peptide - Additional Information**

**Gene ID** 2026

**Other Names**

Gamma-enolase, 2-phospho-D-glycerate hydro-lyase, Enolase 2, Neural enolase, Neuron-specific enolase, NSE, ENO2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2780b](/products/AP2780b) was selected from the Y25 region of human NSE. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NSE Antibody (Y25) Blocking Peptide - Protein Information**

**Name** ENO2

**Function**

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 (By similarity).

**Cellular Location**

Cytoplasm. Cell membrane. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form

**Tissue Location**

The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta

heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

### **NSE Antibody (Y25) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **NSE Antibody (Y25) Blocking Peptide - Images**

### **NSE Antibody (Y25) Blocking Peptide - Background**

NSE is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

### **NSE Antibody (Y25) Blocking Peptide - References**

Kotaska,K., Neuro Endocrinol. Lett. 28 (6), 761-764 (2007)Forooghian,F., J. Clin. Immunol. 27 (4), 388-396 (2007)Rech,T.H., Crit Care 10 (5), R133 (2006)Oliva,D., Genomics 10 (1), 157-165 (1991)