

Phospho-NSE(Y25) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3727a**Specification**

Phospho-NSE(Y25) Antibody Blocking peptide - Product InformationPrimary Accession [P09104](#)**Phospho-NSE(Y25) Antibody 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

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.

Phospho-NSE(Y25) Antibody 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

Phospho-NSE(Y25) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-NSE(Y25) Antibody Blocking peptide - Images

Phospho-NSE(Y25) Antibody Blocking peptide - Background

NSE encodes 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.

Phospho-NSE(Y25) Antibody Blocking peptide - References

Shi, D., et al. Biosci. Rep. 30(3):149-158(2010)Wijeyaratne, S.M., et al. Eur J Vasc Endovasc Surg 38(3):262-266(2009)Topjian, A.A., et al. Pediatr Crit Care Med 10(4):479-490(2009)