

**ENO2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18121c****Specification**

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**ENO2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P09104](#)**ENO2 Antibody (Center) 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.

**ENO2 Antibody (Center) 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

**ENO2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ENO2 Antibody (Center) Blocking Peptide - Images**

#### **ENO2 Antibody (Center) Blocking Peptide - Background**

This gene 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.

#### **ENO2 Antibody (Center) Blocking Peptide - References**

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010) Mukhtarova, S.N. Georgian Med News 181, 49-54 (2010) :Planche, V., et al. Ann. Biol. Clin. (Paris) 68(2):239-242(2010) Chaves, M.L., et al. J Neuroinflammation 7, 6 (2010) :Wijeyaratne, S.M., et al. Eur J Vasc Endovasc Surg 38(3):262-266(2009)