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NSE Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50004

Specification

NSE Antibody - Product Information

Application	**IF, WB, IHC**
Primary Accession	P09104
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47 KDa**
Antigen Region	**392-425**

NSE Antibody - Additional Information

Gene ID 2026

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

Dilution
IF~~1:100
WB~~ 1:1000
IHC~~1:50-1:100

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

NSE Antibody - 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

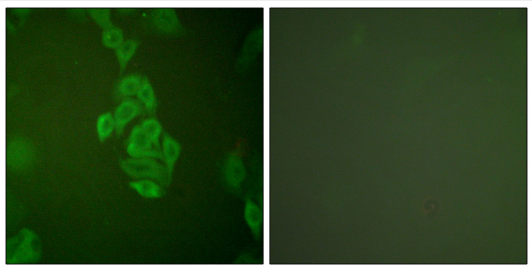
The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

NSE Antibody - Protocols

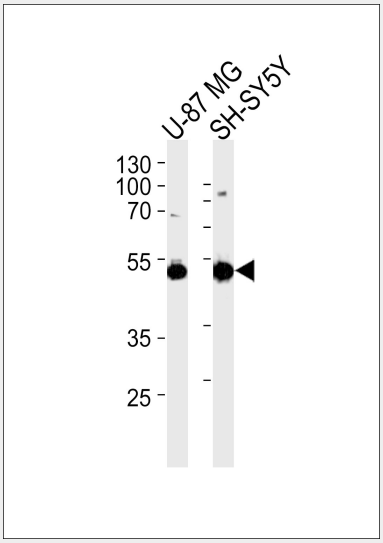
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NSE Antibody - Images

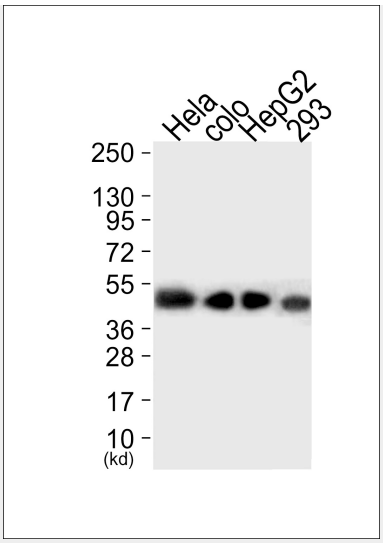


Immunofluorescence analysis of A549 cells, using NSE antibody .

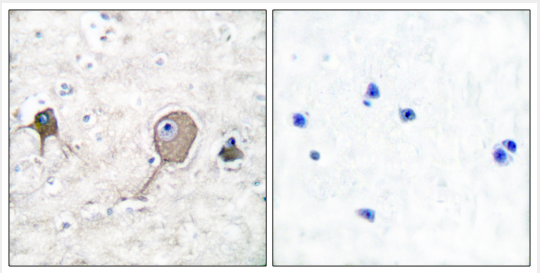


Western blot analysis of lysates from U-87 MG,SH-SY5Y cell line (from left to right),using NSE Antibody(C0280). C0280 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

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Western blot analysis of extracts from Hela cells (Lane 1), colo cells(Lane 2)，HepG2 cells(Lane 3) and 293 cells (Lane 4), using NSE Antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using NSE antibody .

NSE Antibody - Background

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).

NSE Antibody - References

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