

Product Datasheet

Anti-NSE Rabbit pAb

For Research Use Only. Not For Use In Diagnostic Procedures



WL02745

Product Information

Product name	Anti-NSE Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:300
	IF	1:100-1:200
Cellular localization	Cytoplasm. Cell membrane	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Gamma-enolase, also known as enolase 2 (ENO2) or neuron specific enolase (NSE), is an enzyme that in humans is encoded by the ENO2 gene. Gamma-enolase is a phosphopyruvate hydratase. Mammalian enolase has three subunits: α , β , and γ . These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. Homodimers of γ enolase are neuronal-specific. Research studies have shown elevated levels of neuro-specific enolase-2 in neuroblastoma and small-cell lung cancer.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NSE.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

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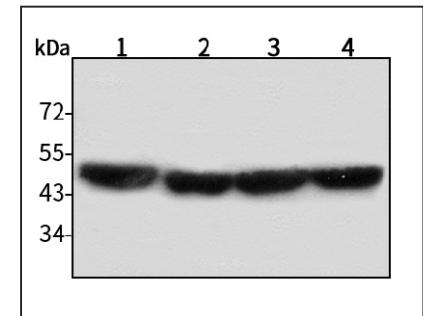
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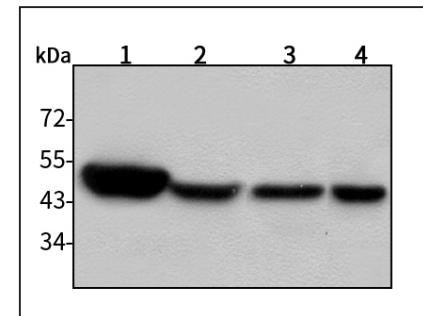
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Product Images



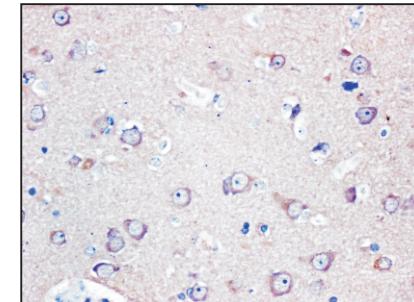
Western blot-Anti-NSE pAb

Lane 1: Human HepG2 cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human BGC-823 cell lysate
Lane 4: Human MGC-803 cell lysate
All lanes: Anti-NSE at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 48 kDa
Observed band size: 48 kDa



Western blot-Anti-NSE pAb

Lane 1: Mouse brain tissue lysate
Lane 2: Mouse lung tissue lysate
Lane 3: Rat colon tissue lysate
Lane 4: Rat stomach tissue lysate
All lanes: Anti-NSE at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 48 kDa
Observed band size: 48 kDa



Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded human brain glioma using anti-NSE Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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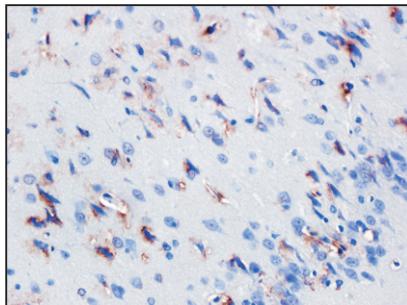
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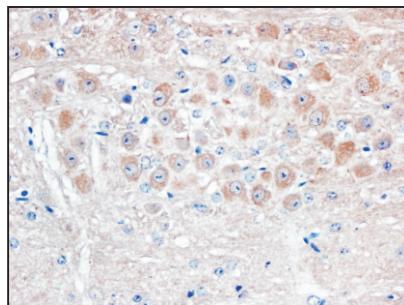
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Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded mouse brain using anti-NSE Rabbit Antibody at 1:150 dilution.

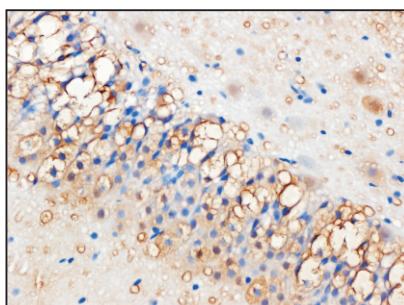
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded mouse cerebellum using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded rat brain using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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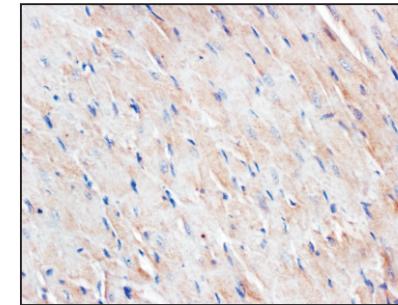
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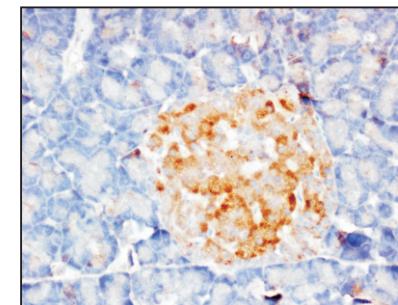
Product Images



Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded rat heart using anti-NSE Rabbit Antibody at 1:200 dilution.

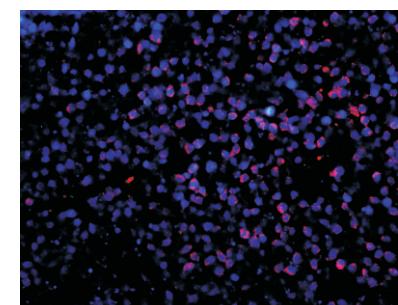
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-NSE pAb

Immunohistochemical analysis of paraffin-embedded rat pancreas using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-NSE pAb

Immunofluorescence analysis of paraffin-embedded human BGC-823 cell tumorigenic tissue using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

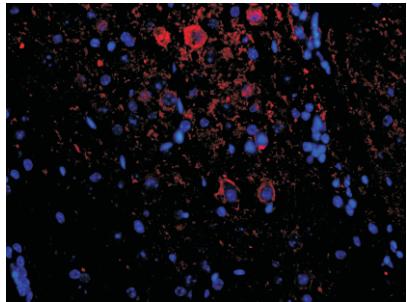
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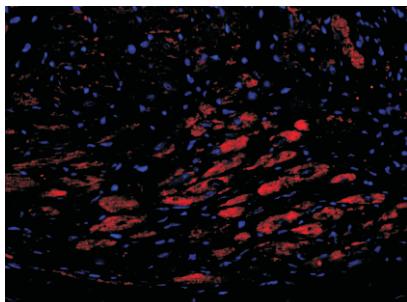
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Immunofluorescence-Anti-NSE pAb

Immunofluorescence analysis of paraffin-embedded mouse cerebellum using anti-NSE Rabbit Antibody at 1:200 dilution.

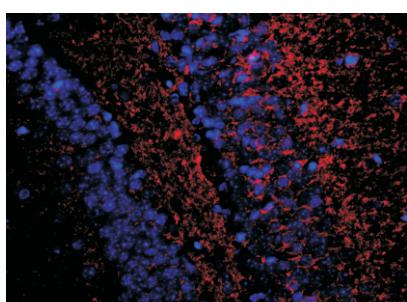
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-NSE pAb

Immunofluorescence analysis of paraffin-embedded mouse spinal cord using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-NSE pAb

Immunofluorescence analysis of paraffin-embedded rat brain using anti-NSE Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.