

NSE Rabbit mAb

Catalog No: #49015

Package Size: #49015-1 50ul #49015-2 100ul



**SAB**<sup>®</sup>  
Signalway Antibody

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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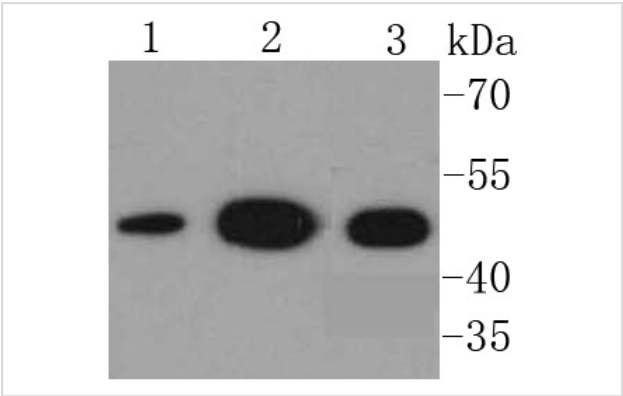
Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | NSE Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host Species          | Recombinant Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality             | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clone No.             | SC06-28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purification          | ProA affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications          | WB, ICC, IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species Reactivity    | Hu, Ms, Rt, zebrafish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen Description | recombinant protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Other Names           | 2 phospho D glycerate hydrolyase antibody 2-phospho-D-glycerate hydro-lyase antibody Eno 2 antibody ENO2 antibody ENOG antibody ENOG_HUMAN antibody Enolase 2 (gamma, neuronal) antibody Enolase 2 antibody Enolase 2 gamma neuronal antibody Enolase2 antibody Epididymis secretory protein Li 279 antibody Gamma enolase antibody Gamma-enolase antibody HEL S 279 antibody Neural enolase antibody Neuron specific enolase antibody Neuron specific gamma enolase antibody Neuron-specific enolase antibody Neurone specific enolase antibody NSE antibody |
| Accession No.         | Swiss-Prot#:P09104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Calculated MW         | 47 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

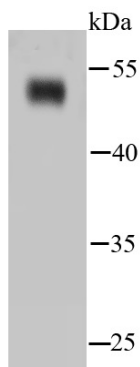
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

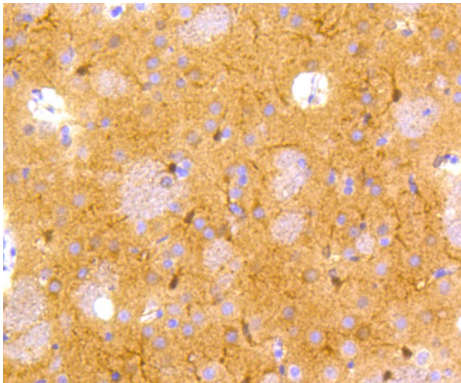
Images



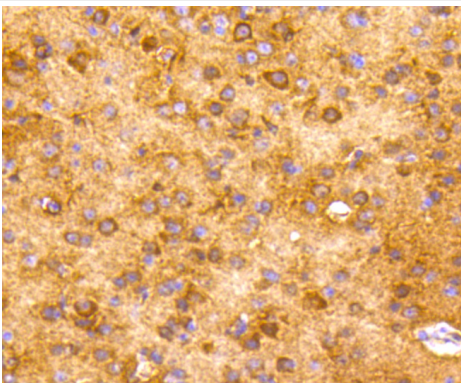
Western blot analysis of NSE on different lysates using anti-NSE antibody at 1/1,000 dilution. Positive control:  
Lane 1: HepG2  
Lane 2: Hela  
Lane 3: 293



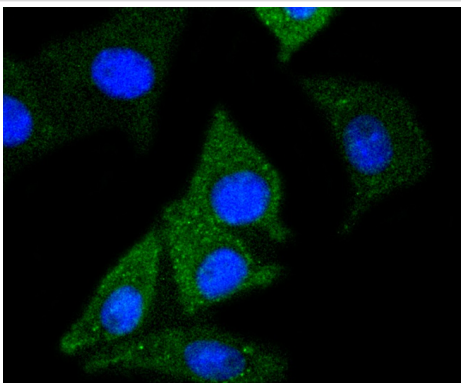
Western blot analysis of NSE on hybrid fish (crucian-carp) brain tissue lysates using anti-NSE antibody at 1/500 dilution.



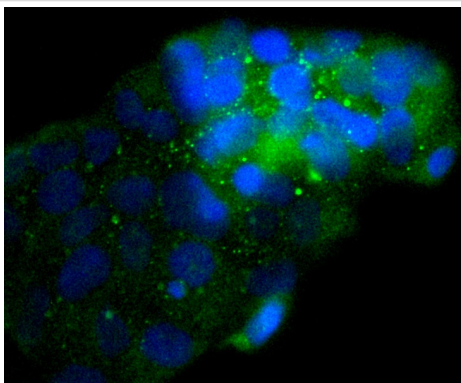
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-NSE antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-NSE antibody. Counter stained with hematoxylin.



ICC staining NSE in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NSE in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

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Enolases have been characterized as highly conserved cytoplasmic glycolytic enzymes that may be involved in differentiation. Three isoenzymes have been identified,  $\alpha$  Enolase,  $\beta$  Enolase and  $\gamma$  Enolase.  $\alpha$  Enolase expression has been detected on most tissues, whereas  $\beta$  Enolase is expressed predominantly in muscle tissue and  $\gamma$  Enolase is detected only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway.

## References

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.