

Anti-Neuron-Specific Enolase (NSE) Type 2 Antibody

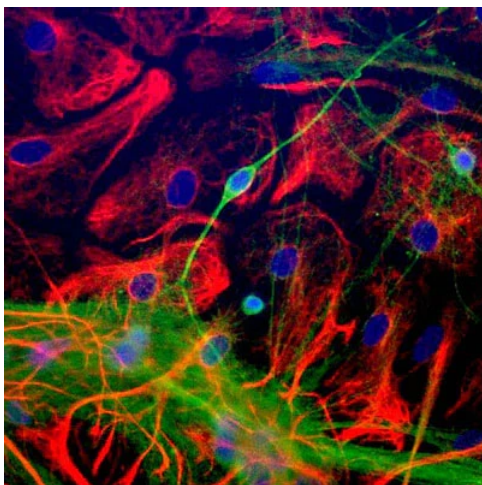


Product Details

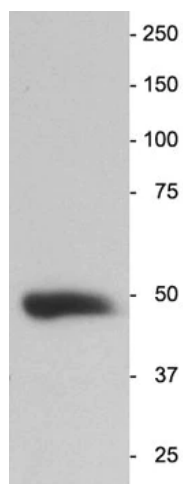
Available Variants	1000 µL (SKU:NSE)
Isotype	IgY
Gene Name	ENO2
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with two synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the NSE-2 gene product, but are shared between the human (NP_001966, NCBI) and rat (AAA41119, NCBI) sequences. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 200 µg/mL. Finally, equal volumes of each of the three affinity-purified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:10000-1:20000 ICC: 1:10000-1:20000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides
Molecular Weight	47 kDa

Quality Control	Both of these anti-peptide antibodies were analyzed by immunohisto-chemistry (at a dilution of 1:5000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313555
UniProt ID	<u>P09104</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



Immunocytochemical staining of NSE (green, 1:1000 dilution) and Glial Fibrillary Acidic Protein (GFAP, rabbit, 1:1000 dilution). Photomicrograph by Dr. Gerry Shaw (EnCor Biotechnology).



Western blot of adult mouse brain homogenate showing a single band at the correct MW (47 kDa), dilution 1:100000.

Product Page URL: www.antibodiesinc.com/products/anti-neuron-specific-enolase-antibody-nse



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