



Datasheet for ABIN1574104
anti-ENO2/NSE antibody (C-Term)



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Overview

Quantity:	40 µg
Target:	ENO2/NSE (ENO2)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENO2/NSE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	KLH-coupled synthetic peptide from C-terminal of human NSE
Isotype:	IgG
Specificity:	Rabbit Anti-NSE Polyclonal Antibody detects endogenous levels of human, mouse, and rat NSE protein. It may cross-reacts with alpha and beta enolase according to sequence homology.
Cross-Reactivity (Details):	Rabbit Anti-NSE Polyclonal Antibody detects endogenous levels of human, mouse, and rat NSE protein. It may cross-reacts with alpha and beta enolase according to sequence homology.
Purification:	Immunoaffinity chromatography

Target Details

Target:	ENO2/NSE (ENO2)
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Target Details

Alternative Name: NSE ([ENO2 Products](#))

Background: Enolase is glycolytic enzyme that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate. Mammalian enolase has three subunits (alpha, beta, and gamma) that can form homo and heterodimers. Homodimers of gamma enolase are neuronal-specific. NSE (neuron specific enolase) is expressed primarily in neurons. It is also found in elevated levels in plasma in certain neoplasias including pediatric neuroblastoma and small cell lung cancer. NSE is widely used as a diagnostic marker in a variety of clinical assays. Rabbit Anti-NSE Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide from C-terminal of human NSE (Swiss Prot: P09104).

Application Details

Application Notes: Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/mL

Western blot: 0.5-1 µg/mL Immunoprecipitation (IP): 2-10 µg/mg of

lysate Immunohistochemistry: 5-10 µg/mL Other Applications: user-optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4, containing 0.02 % sodium azide

Preservative: Sodium azide

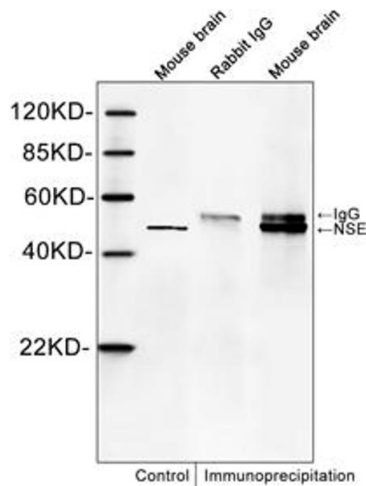
Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling

Storage: 4 °C/-20 °C

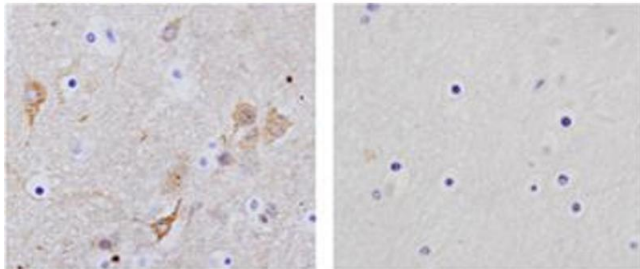
Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Images



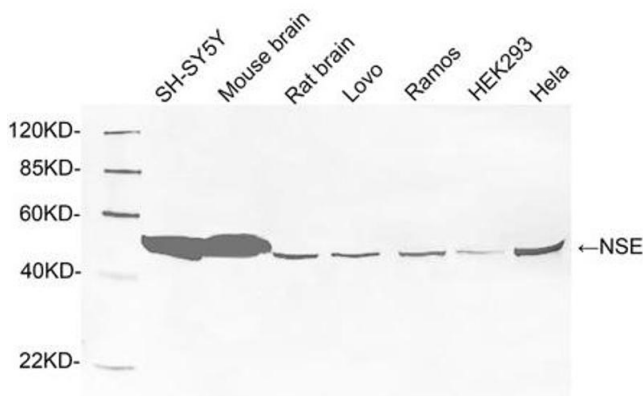
Western Blotting

Image 1. Western blot analysis of immunoprecipitates from mouse brain lysates. NSE was immunoprecipitated with Rabbit Anti-NSE Polyclonal Antibody (ABIN398881) and specificity was confirmed by immunoprecipitation with rabbit IgG. Western blot was performed using Rabbit Anti-NSE Polyclonal Antibody (ABIN398881).



Immunohistochemistry

Image 2. Immunohistochemistry analysis of human brain tissue slide (Paraffin embedded) using Rabbit Anti-NSE Polyclonal Antibody (Left, ABIN398881) and Purified Rabbit IgG (Whole molecule) Control (Right, ABIN398653).



Western Blotting

Image 3. Western blot analysis of tissue and cell lysates using 1 µg/mL Rabbit Anti-NSE Polyclonal Antibody (ABIN398881). The signal was developed with IRDye™800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 47 KD. Observed Size: 47 KD.