antibodies

Datasheet for ABIN6939308 anti-ENO2/NSE antibody (AA 416-433)

6 Images



Overview

Quantity:	100 µg
Target:	ENO2/NSE (ENO2)
Binding Specificity:	AA 416-433
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ENO2/NSE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A synthetic peptide of human NSE gamma (around aa416-433) (exact sequence is proprietary)
Clone:	EN02-1375
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of about 50 kDa, which is identified as gamma-enolase. Three
	isoenzymes of enolases are identified, alpha, beta and gamma. Alpha-isoform is expressed in
	most tissues, whereas beta-form is expressed predominantly in muscle tissue whereas
	gamma-enolase is found only in nervous tissue. These isoforms exist as both homodimers and
	heterodimers, and they play a role in converting phosphoglyceric acid to phosphenolpyruvic
	acid in the glycolytic pathway. NSE-gamma is a useful marker to identify peripheral nerves and
	tumors of neuro-endocrine origins, such as pheochromocytomas.It it be usually employed in
	combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.

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Product Details

Purification:	Purified by Protein A/G

Target Details

Target:	EN02/NSE (EN02)
Alternative Name:	ENO2 (ENO2 Products)
Molecular Weight:	~50kDa
Gene ID:	2026
UniProt:	P09104

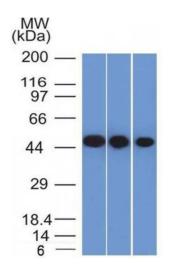
Application Details

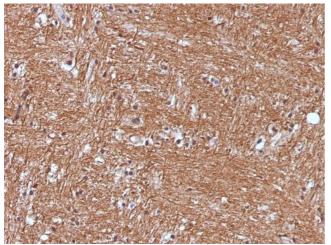
Application Notes:	Positive Control: HepG2, SH-SY-5Y, HeLa or Y79 cells. Pancreas, Cerebellum or
	Pheochromocytoma.
	Known Application: Western Blot (1-2 μ g/mL), ,Immunohistochemistry (Formalin-fixed) (0.2-0.4
	μ g/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in
	10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal
	dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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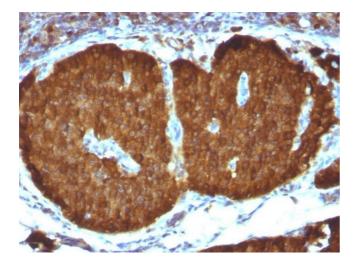


Western Blotting

Image 1. Western Blot of Y79, HeLa and HepG2 cell lysate using NSE, gamma Monoclonal Antibody (ENO2/1375).

Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Cerebellum stained with NSE gamma Monoclonal Antibody (EN02/1375).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Pheochromocytoma stained with NSE gamma Monoclonal Antibody (EN02/1375).

Please check the product details page for more images. Overall 6 images are available for ABIN6939308.

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