

36-2215: Anti-NSE gamma (Neuron Specific Enolase, gamma) (Neuroendocrine Marker) Monoclonal Antibody(Clone: ENO2/1375)

Clonality :	Monoclonal
Clone Name :	ENO2/1375
Application :	IHC,WB
Reactivity :	Human
Gene :	ENO2
Gene ID :	2026
Uniprot ID :	P09104
Alternative Name :	2-phospho-D-glycerate hydrolyase; ENO2; ENOG; Enolase 2 gamma neuronal; Enolase2; Gamma-enolase; Neural enolase; Neuron specific gamma enolase; Neuron-specific enolase; NSE
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	A synthetic peptide of human NSE gamma (around aa416-433) (exact sequence is proprietary)

Description

Recognizes a protein of about 50kDa, 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 phosphoenolpyruvic 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 is usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.2-0.4ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Fig. 1: Formalin-fixed, paraffin-embedded human Pheochromocytoma stained with NSE gamma Monoclonal Antibody (ENO2/1375).

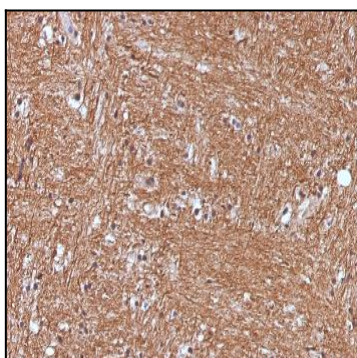


Fig. 2: Formalin-fixed, paraffin-embedded human Cerebellum stained with NSE gamma Monoclonal Antibody (ENO2/1375).

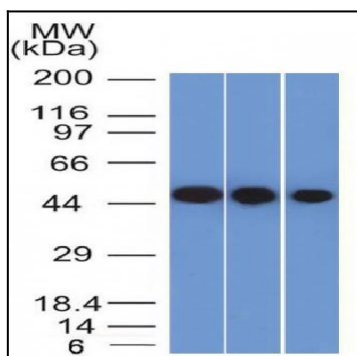


Fig. 3: Western Blot of Y79, HeLa and HepG2 cell lysate using NSE, gamma Monoclonal Antibody (ENO2/1375).

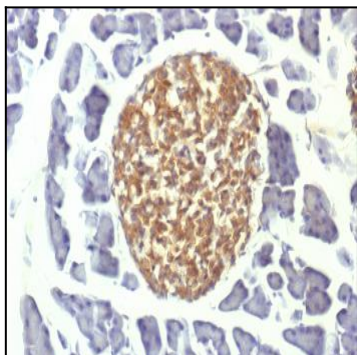


Fig. 4: Formalin-fixed, paraffin-embedded Mouse Pancreas stained with NSE gamma Mouse Monoclonal Antibody (ENO2/1375).

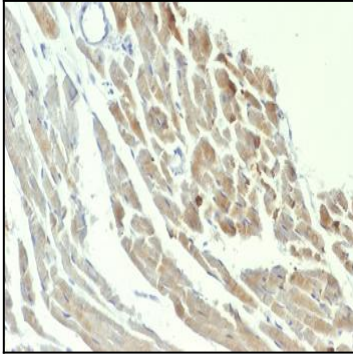


Fig. 5: Formalin-fixed, paraffin-embedded Rat Heart stained with NSE gamma Mouse Monoclonal Antibody (ENO2/1375).

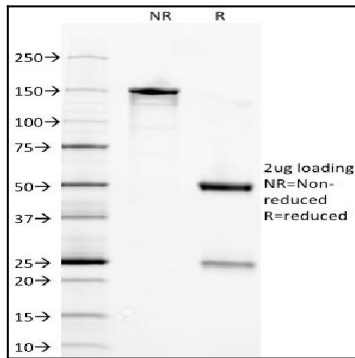


Fig. 6: SDS-PAGE Analysis Purified NSE gamma Mouse Monoclonal Antibody (ENO2/1375). Confirmation of Integrity and Purity of Antibody.