

### 36-2216: Anti-NSE gamma (Neuron Specific Enolase, gamma) (Neuroendocrine Marker) Monoclonal Antibody(Clone: SPM347)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM347
<b>Application :</b>	IHC,FACS,WB,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	ENO2
<b>Gene ID :</b>	2026
<b>Uniprot ID :</b>	P09104
<b>Alternative Name :</b>	2-phospho-D-glycerate hydrolyase; ENO2; ENOG; Enolase 2 gamma neuronal; Enolase2; Gamma-enolase; Neural enolase; Neuron specific gamma enolase; Neuron-specific enolase; NSE
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/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);

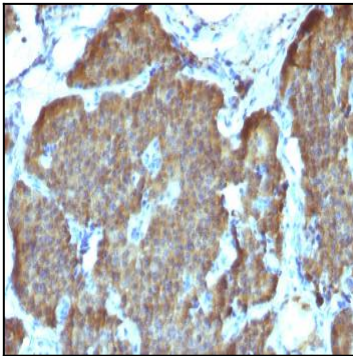


Fig. 1: Formalin-fixed, paraffin-embedded human Pheochromocytoma stained with NSE gamma Monoclonal Antibody (SPM347).

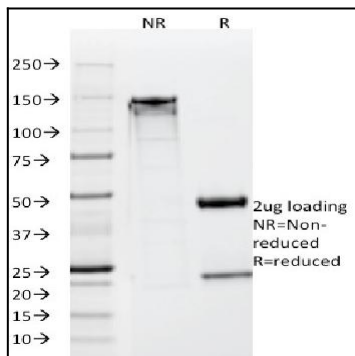


Fig. 2: SDS-PAGE Analysis Purified NSE gamma Monoclonal Antibody (SPM347). Confirmation of Integrity and Purity of Antibody.