

# NSE (ZR406)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** A synthetic peptide corresponding to aa416-433 of human NSE gamma  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** NSE (ZR406) Rabbit Monoclonal primary antibody detects NSE protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain NSE protein.

**Localization:** Cytoplasmic.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** 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 phosphoenol pyruvic acid in the glycolytic pathway. NSE-gamma is expressed by peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Wick MR, et al. Am J Clin Pathol. 1983; 79:703-7.
2. Vinoses SA, et al. Arch Pathol Lab Med. 1984; 108:536-40.
3. Loenard N, et al. Gut. 1995; 37:763-5.

**REF** Z2762RL/ Z2762RS/ Z2762RT/ Z2762RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)




605 E. Huntington Dr.,  
Suite 204  
Monrovia, CA 91016  
Tel: (626) 355-2053  
<http://www.zeta-corp.com>


**RUO**  
(research  
use only)

**LOT**  
(lot number)

**REF**  
(catalogue  
number)

  
(expiry date)

  
(temperature  
limit)

  
(consult  
Instructions  
for Use)