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**Antibody to NSE**  
**MOUSE MONOCLONAL**

**Catalog Number:** AB-33  
**Quantity:** 1 milliliter  
**Format:** Hybridoma supernatant  
**Host:** Mouse  
**Isotype:** IgG1, k  
**Clone:** NSE-P1, NSE-P2  
**Immunogen:** ovalbumin-conjugated synthetic peptide corresponding to human NSE amino acid sequence

**Specificity and Preparation:**

This antibody targets  $\gamma$  isoenzyme neuron-specific enolase (NSE) in homo sapiens, mus musculus, gallus gallus. The immunogen was ovalbumin-conjugated synthetic peptide corresponding to human NSE amino acid sequence: NSE-P1 (aa's 416-433 - LGDEARFAGHNFRNPSVL), NSE-P2 (aa's 271-285 - TGDQLGALYQDFVRD) in BALB-c mouse.

**Usage and Storage:**

Applications include ELISA<sup>2</sup>, immunoblotting (western undiluted), and immunohistochemistry<sup>1</sup>. Working dilutions must be determined by end user. Store the antibody at 4°C for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

**References:**

1. Murray GI, Duncan ME, Melvin WT, Fothergill JE (1993) Immunohistochemistry of neurone specific enolase with gamma subunit specific anti-peptide monoclonal antibodies. *J Clin Pathol* 46(11):993-996.
2. Duncan ME, McAleese SM, Booth NA, Melvin WT, Fothergill JE (1992) A simple enzyme-linked immunosorbent assay (ELISA) for the neuron-specific gamma isozyme of human enolase (NSE) using monoclonal antibodies raised against synthetic peptides corresponding to isozyme sequence differences. *J Immunol Methods* 151(1-2):227-236.