

**PAA537Mu02**

**Polyclonal Antibody to Enolase, Neuron Specific (NSE)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

**FOR RESEARCH USE ONLY**

**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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13th Edition (Revised in Aug, 2023)

### **[ PROPERTIES ]**

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 10µL

**Cross Reactivity:** Human;Rat

**Applications:** WB; IHC

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant NSE (Ser2~Leu434) expressed in *E.coli*

**Accession No.:** RPA537Mu02

### **[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

### **[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

### **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

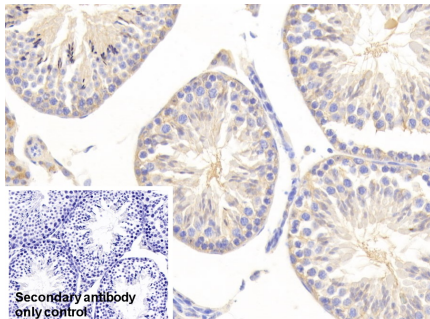
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

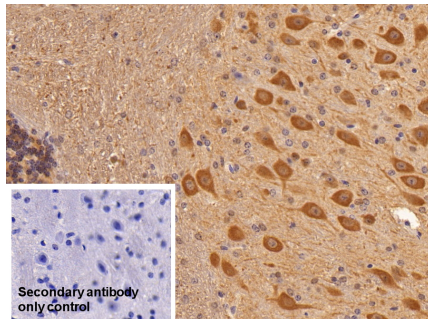
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

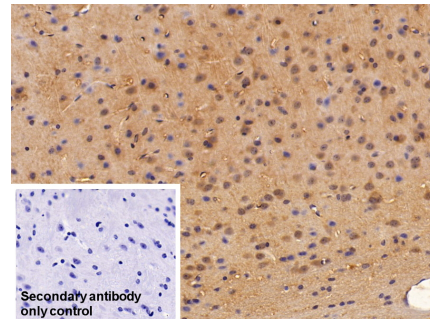
## [ IDENTIFICATION ]



DAB staining on IHC-P; Samples:  
Mouse Testis Tissue; Primary Ab:  
20µg/ml Rabbit Anti-Mouse NSE  
Antibody Second Ab: 2µg/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)



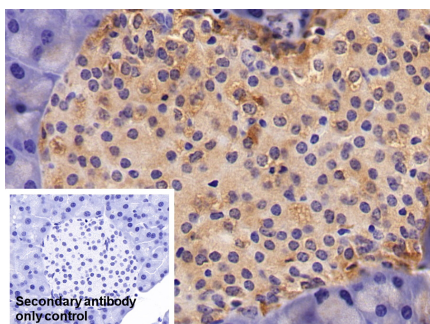
DAB staining on IHC-P;  
Sample: Mouse Cerebellum Tissue;  
Primary Ab: 10µg/ml Rabbit Anti-Mouse  
NSE Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



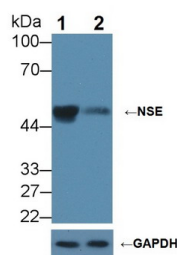
DAB staining on IHC-P;  
Sample: Mouse Cerebrum Tissue;  
Primary Ab: 10µg/ml Rabbit Anti-Mouse  
NSE Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

Secondary antibody only control: Used  
PBS instead of primary antibody,  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

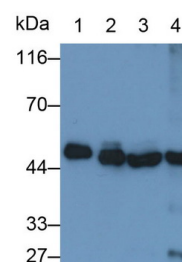
Secondary antibody only control: Used  
PBS instead of primary antibody,  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



DAB staining on IHC-P;  
Sample: Mouse Pancreas Tissue;  
Primary Ab: 10µg/ml Rabbit Anti-Mouse  
NSE Antibody  
Second Ab: 2µg/mL HRP-Linked



Knockout Varification:  
Lane 1: Wild-type HepG2 cell lysate;  
Lane 2: NSE knockout HepG2 cell  
lysate;  
Predicted MW: 47kDa



Western Blot; Sample: Lane1: Mouse  
Cerebrum lysate; Lane2: Rat Cerebrum  
lysate; Lane3: 293T cell lysate; Lane4:  
HepG2 cell lysate  
Primary Ab: 0.03µg/ml Rabbit Anti-

|                                                                                                                                                                                      |                                                                                                           |                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Caprine Anti-Rabbit IgG Polyclonal<br>Antibody<br>(Catalog: SAA544Rb19)                                                                                                              | Observed MW: 50kDa<br>Primary Ab: 2µg/ml Rabbit Anti-Mouse<br>NSE Antibody                                | Mouse NSE Antibody<br>Second Ab: 0.2µg/mL HRP-Linked<br>Caprine Anti-Rabbit IgG Polyclonal<br>Antibody<br>(Catalog: SAA544Rb19) Selected |
| Secondary antibody only control: Used<br>PBS instead of primary antibody,<br>Second Ab: 2µg/mL HRP-Linked<br>Caprine Anti-Rabbit IgG Polyclonal<br>Antibody<br>(Catalog: SAA544Rb19) | Second Ab: 0.2µg/mL HRP-Linked<br>Caprine Anti-Rabbit IgG Polyclonal<br>Antibody<br>(Catalog: SAA544Rb19) |                                                                                                                                          |

### [ **IMPORTANT NOTE** ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.