PAA537Ra01

Polyclonal Antibody to Enolase, Neuron Specific (NSE)

Organism Species: *Rattus norvegicus (Rat)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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: 0.36mg/mL

UOM: 100μg(278μL)

Cross Reactivity: Human;Mouse

Applications: WB; IHC; FCM

[IMMUNOGEN]

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

Accession No.: RPA537Ra01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL;

Immunohistochemistry: 5-20?g/mL;

Flow cytometry:20?g/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.

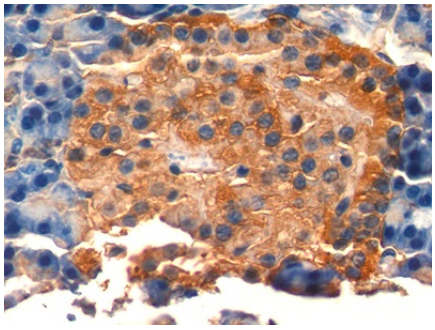
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

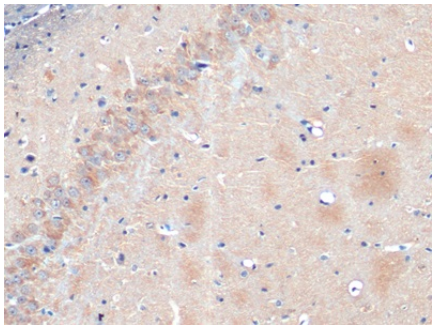
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

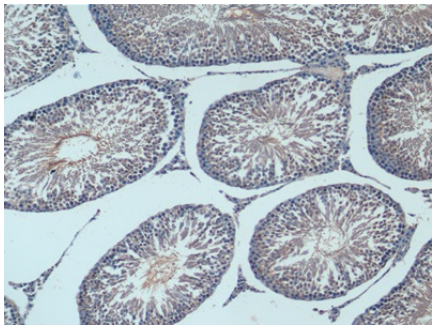
[IDENTIFICATION]



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



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



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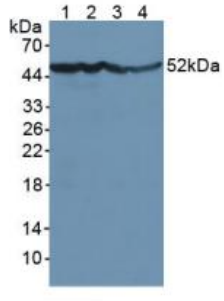
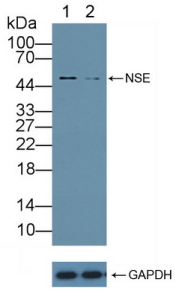
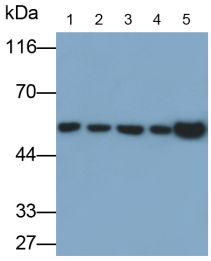


Western Blot; Sample: Lane1: Rat Cerebrum lysate; Lane2: Mouse Cerebrum lysate; Lane3: HepG2 cell lysate; Lane4: Hela cell lysate Primary Ab: 1μg/mL Rabbit Anti-Rat NSE Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

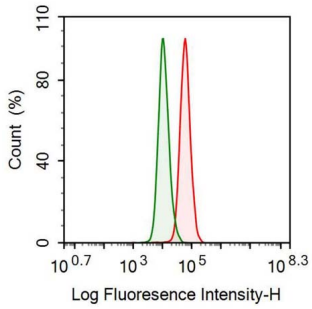


Knockout Varification: Lane 1: Wild-type HepG2 cell lysate; Lane 2: NSE knockout HepG2 cell lysate; Predicted MW: 47kd Observed MW: 52kd Primary Ab: 1μg/mL Rabbit Anti-Rat NSE Antibody



Western Blot; Samples: Lane1: Mouse Cerebrum lysate; Lane2: A549 cell lysate; Lane3: Hela cell lysate; Lane4: HepG2 cell lysate; Lane5: SH-SY5Y cell lysate; Primary Ab: 0.1μg/ml Rabbit Anti-Rat NSE Antibody Second Ab: 0.2μg/ml HRP-Linked

Antibody (Catalog: SAA544Rb19)	Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)	Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Mouse Hepa1-6 cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100,then stained with 20μg/mL rabbit Anti-Mouse NSE Polyclonal Antibody (Catalog PAA537Ra01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1μg/mL FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[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.