

MAA537Hu22

Monoclonal Antibody to Enolase, Neuron Specific (NSE)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C10

Traits: Liquid

Concentration: 0.7mg/mL

UOM: 100 μ L

Cross Reactivity: Mouse

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant NSE (Ser2~Arg285) expressed in *E.coli*

Accession No.: RPA537Hu02

[APPLICATIONS]

Western blotting: 0.01-2 μ g/mL;

Immunohistochemistry: 5-20 μ g/mL;

Immunofluorescence: 5-20 μ 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.

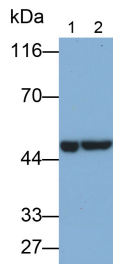
Store at 4°C for frequent use.

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

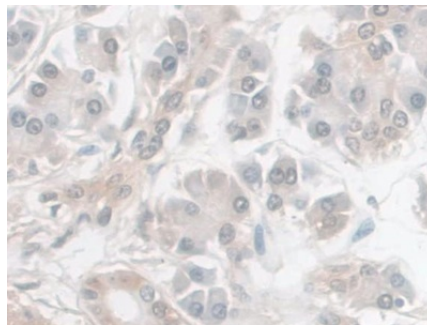
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

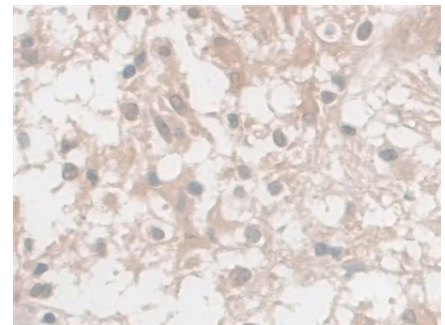
[IDENTIFICATION]



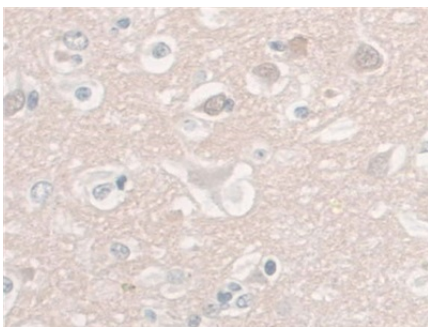
Western Blot; Samples: Lane1: Hela cell lysate; Lane2: HepG2 cell lysate;
 Primary Ab: 0.2µg/ml Mouse Anti-Human NSE Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



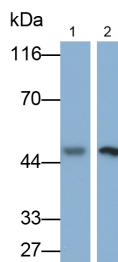
DAB staining on IHC-P; Samples: Human Pancreatic cancer Tissue;
 Primary Ab: 30µg/ml Mouse Anti-Human NSE Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



DAB staining on IHC-P;
 Samples: Human Glioma Tissue;
 Primary Ab: 30µg/ml Mouse Anti-Human NSE Antibody
 Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



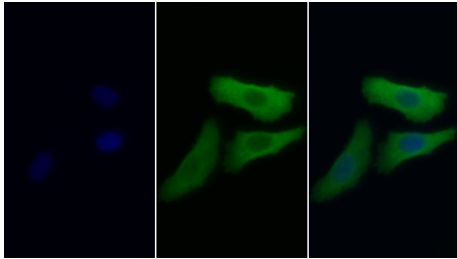
DAB staining on IHC-P;
 Samples: Human Cerebrum Tissue;
 Primary Ab: 30µg/ml Mouse Anti-Human NSE Antibody
 Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: A549 cell lysate; Lane2: Jurkat cell lysate;
 Primary Ab: 0.1µg/ml Mouse Anti-Human NSE Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



Western Blot; Sample: Mouse Cerebrum lysate;
 Primary Ab: 2µg/ml Mouse Anti-Human NSE Antibody
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



FITC staining on IF;

Sample: Human HepG2 cell;

Primary Ab: 20?g/ml Mouse Anti-

Human NSE Antibody

Second Ab: 1?g/ml FITC-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu18)

[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.