

MAA500Hu21

Monoclonal Antibody to Nestin (NES)

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: D10

Traits: Liquid

Concentration: 1mg/mL

UOM: 50µg(50µL)

Cross Reactivity: Rat

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant NES (Leu178~Pro399) expressed in *E.coli*

Accession No.: RPA500Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Flow cytometry: 10µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

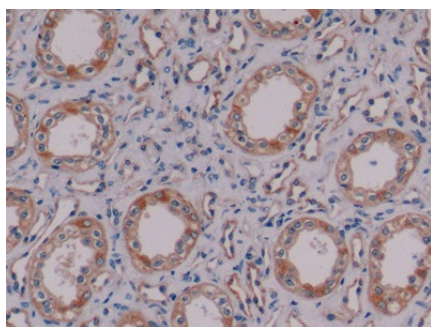
Store at 4°C for frequent use.

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

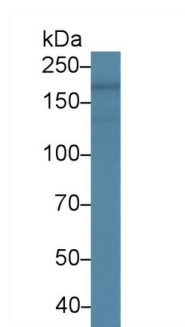
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

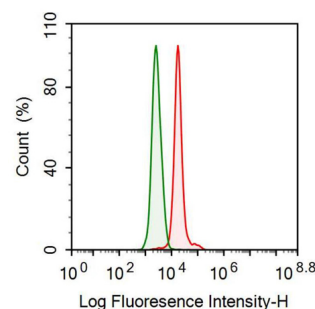
[IDENTIFICATION]



DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 10µg/ml Mouse Anti-Human NES Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



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



Human SH-SY5Y cell line was fixed with 2% paraformaldehyde (10 min), permeabilised with 0.1% BSA-Triton X-100, then stained with 10µg/ml mouse Anti-human NES Monoclonal Antibody (Catalog MAA500Hu21, red histogram) or Isotype control antibody (Catalog IS067-Mu01, green histogram), followed by 1µg/ml FITC-conjugated Anti-mouse IgG Secondary 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.