

**MAB951Hu22**

**Monoclonal Antibody to Tar DNA Binding Protein 43kDa (TDP43)**

**Organism Species: *Homo sapiens (Human)***

***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:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** D6

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 100µL

**Cross Reactivity:** N/A

**Applications:** WB; IHC

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant TDP43 (Ser104~Pro262) expressed in *E.coli*

**Accession No.:** RPB951Hu01

**[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-30µg/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.

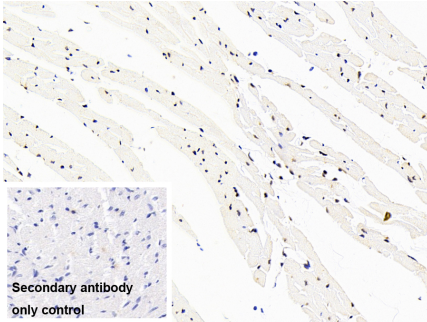
Store at 4°C for frequent use.

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;

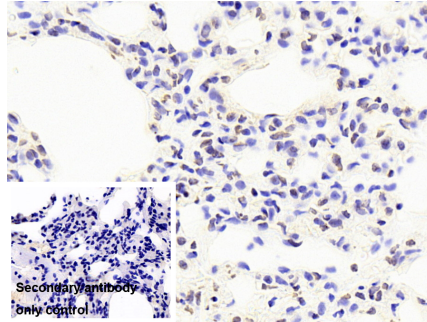
Sample: Rat Cardiac Muscle Tissue

Primary Ab: 30µg/ml Mouse Anti-Human TDP43 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

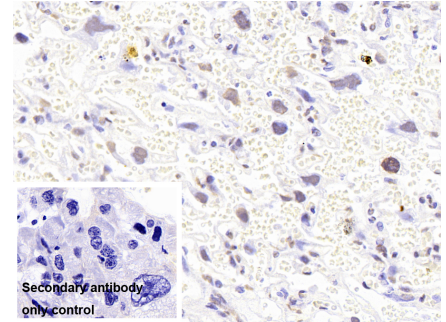
Sample: Rat Lung Tissue

Primary Ab: 30µg/ml Mouse Anti-Human TDP43 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

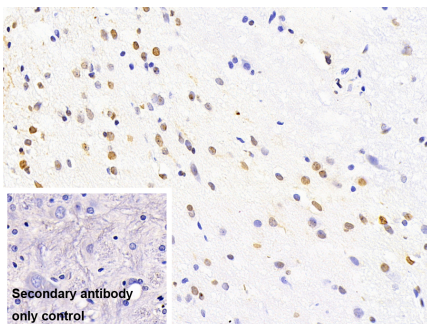
Sample: Rat Placenta Tissue

Primary Ab: 30µg/ml Mouse Anti-Human TDP43 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



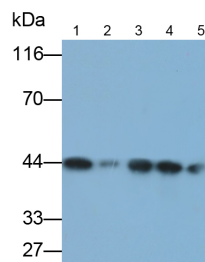
DAB staining on IHC-P;

Sample: Rat Spinal cord Tissue

Primary Ab: 30µg/ml Mouse Anti-Human TDP43 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked



Western Blot; Samples: Lane1: A549 cell lysate; Lane2: HepG2 cell lysate; Lane3: K562 cell lysate; Lane4: SH-SY5Y cell lysate; Lane5: Hela cell lysate;

Primary Ab: 0.2µg/ml Mouse Anti-Human TDP43 Antibody

Caprine Anti-Mouse IgG Polyclonal  
Antibody  
(Catalog: SAA544Mu19)

Second Ab: 0.2µg/ml HRP-Linked  
Caprine Anti-Mouse IgG Polyclonal  
Antibody  
(Catalog: SAA544Mu19)

**[ 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.