

TDP-43 Recombinant Mouse mAb

TDP-43 Recombinant Mouse mAb

Catalog # AP94432

Product Information

| | |
|---|---|
| Application | WB, IHC-P, IHC-F, IF, ICC |
| Host | Rabbit |
| Clonality | Recombinant |
| Physical State | Liquid |
| Isotype | IgG1, Kappa |
| Purity | affinity purified by Protein G |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Nucleus. In patients with frontotemporal lobar degeneration and amyotrophic lateral sclerosis, it is absent from the nucleus of affected neurons but it is the primary component of cytoplasmic ubiquitin-positive inclusion bodies. |
| SIMILARITY | Contains 2 RRM (RNA recognition motif) domains. |
| Post-translational modifications | Hyperphosphorylated in hippocampus, neocortex, and spinal cord from individuals affected with ALS and FTLDU. Ubiquitinated in hippocampus, neocortex, and spinal cord from individuals affected with ALS and FTLDU. Cleaved to generate C-terminal fragments in hippocampus, neocortex, and spinal cord from individuals affected with ALS and FTLDU. |
| DISEASE | Defects in TARDBP are the cause of amyotrophic lateral sclerosis type 10 (ALS10) [MIM:612069]. ALS is a neurodegenerative disorder affecting upper and lower motor neurons and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology of ALS is likely to be multifactorial, involving both genetic and environmental factors. The disease is inherited in 5-10% of the cases. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20. [provided by RefSeq, Jul 2008] |

Additional Information

| | |
|---------------------------|--|
| Target/Specificity | Ubiquitously expressed. In particular, expression is high in pancreas, placenta, lung, genital tract and spleen. |
| Dilution | WB=1:1000-1:5000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50,IF=0 |

Format

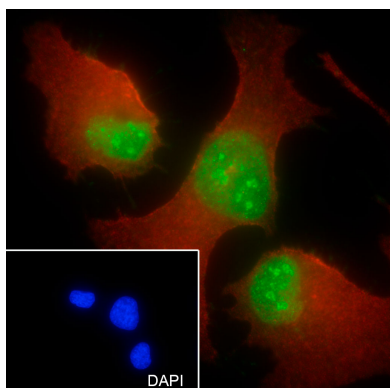
0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol

Storage

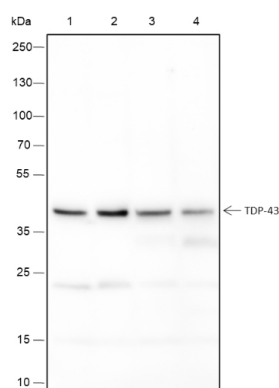
Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

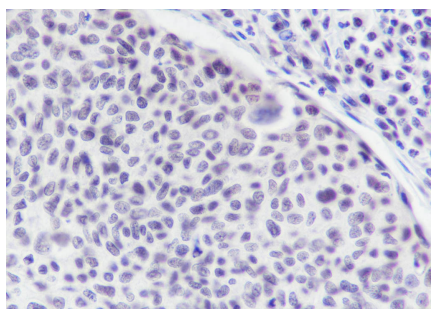
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images

Cell line: HeLa Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100 Primary Ab dilution: 1:50 Primary incubation condition: 4°C overnight
Secondary Ab: Goat Anti-Mouse IgG Nuclear counter stain: DAPI (Blue) Counter stain: Tubulin (Red) Comment: Color green is the positive signal for AP94432

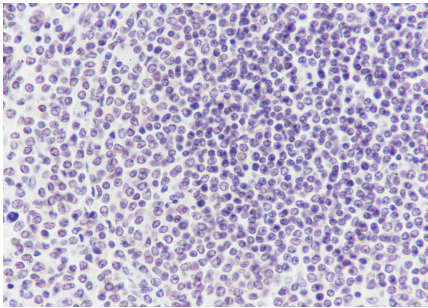
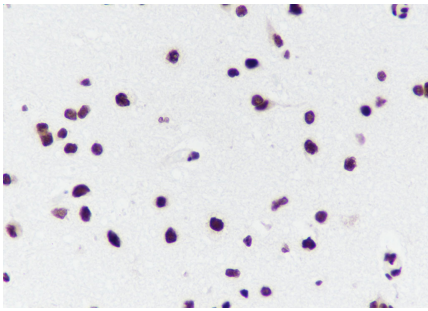


Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:5000 Primary Ab incubation condition: 4°C overnight
Secondary Ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: 1: HeLa, 2: Jurkat, 3: HepG2, 4: NIH/3T3 Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 45 kDa Observed MW: 43 kDa

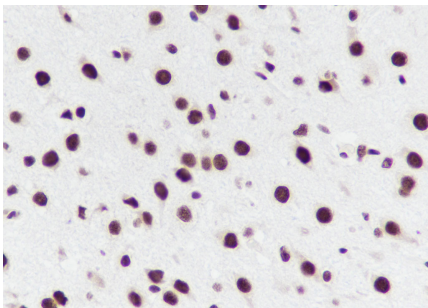


Tissue: Human cervix cancer Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94432

Tissue: Rat brain Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94432



Tissue: Human spleen Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94432



Tissue: Mouse brain Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94432

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.