

TDP-43/TARDBP Rabbit mAb

Catalog No.: A19123

Recombinant

1 Publications

Basic Information

Observed MW

35 kDa/45 kDa

Calculated MW

45 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IF-P, IHC-P, ChIP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0492

Background

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.

Recommended Dilutions

WB 1:1000 - 1:6000**IP** 0.5µg-4µg antibody for
400µg-600µg extracts of
whole cells**IF/ICC** 1:200 - 1:2000**IF-P** 1:200 - 1:2000**IHC-P** 1:200 - 1:2000**ChIP** 5µg antibody for
10µg-15µg of Chromatin**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

23435

Swiss Prot

Q13148

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ALS10; TDP-43; TDP-43/TARDBP

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

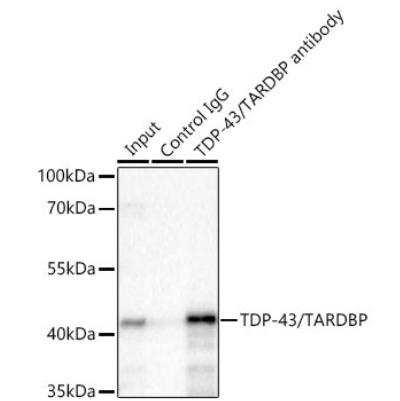
Contact

☎ | 400-999-6126

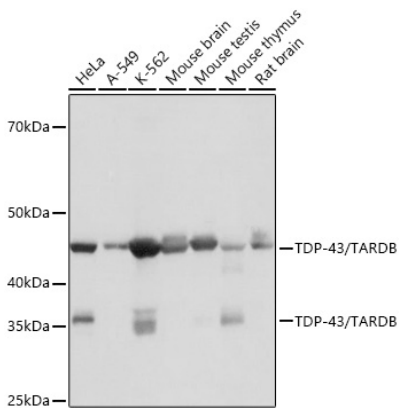
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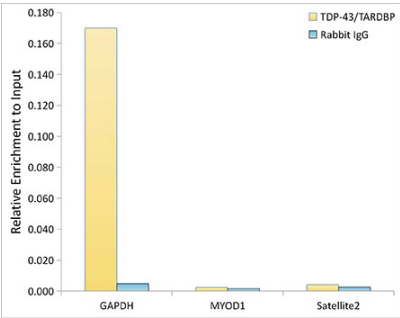
Validation Data



Immunoprecipitation of TDP-43/TARDBP from 500 µg extracts of K-562 cells was performed using 2 µg of TDP-43/TARDBP Rabbit mAb (A19123). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500.

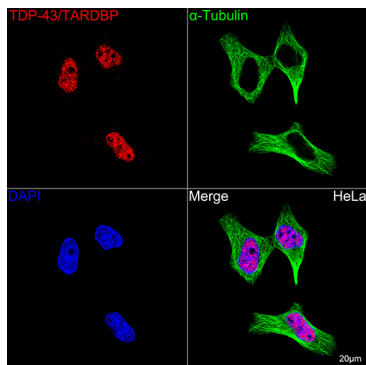


Western blot analysis of various lysates using TDP-43/TARDBP Rabbit mAb (A19123) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

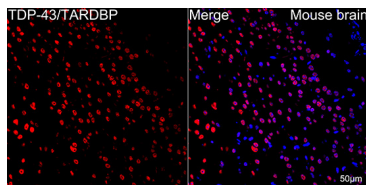


Chromatin immunoprecipitation analysis of extracts of K562 cells, using TDP-43/TARDBP Rabbit mAb (A19123) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

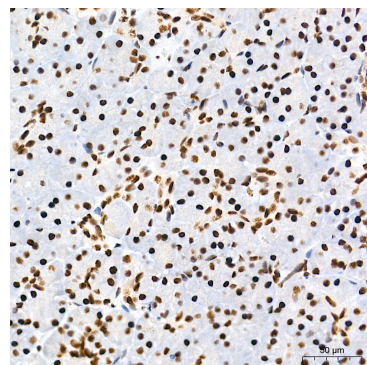
Validation Data



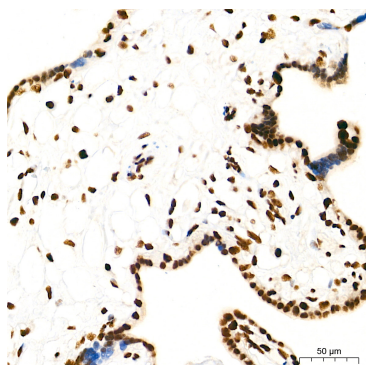
Confocal imaging of HeLa cells using TDP-43/TARDBP Rabbit mAb (A19123, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



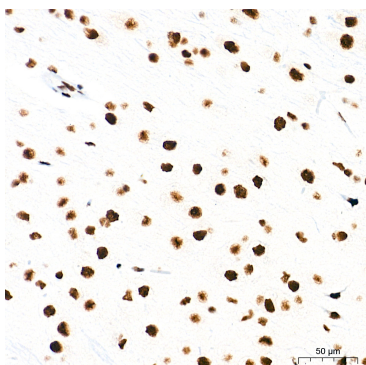
Confocal imaging of paraffin-embedded Mouse brain tissue using TDP-43/TARDBP Rabbit mAb (A19123, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



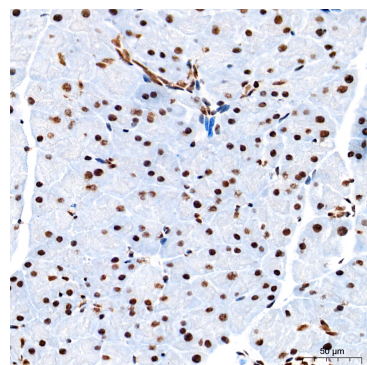
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



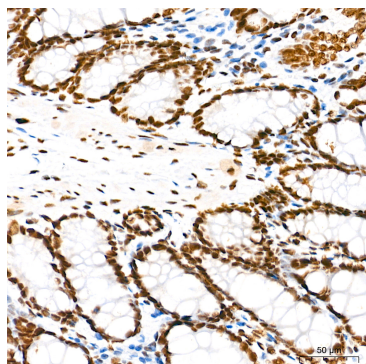
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



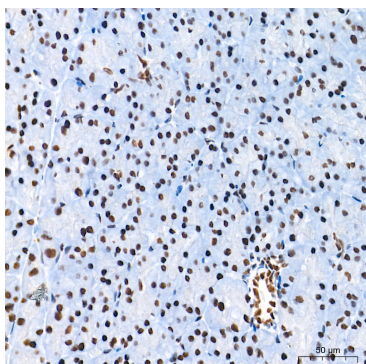
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



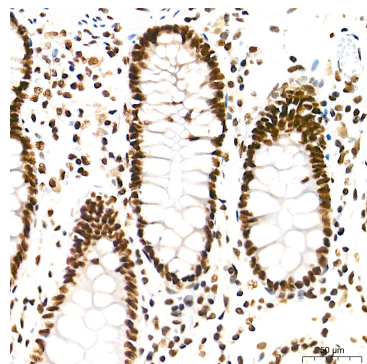
Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat pancreas tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using TDP-43/TARDBP Rabbit mAb (A19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.