

# 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

### Clone/No. 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

<b>WB</b>	1:1000 - 1:6000
<b>IP</b>	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells
<b>IF/ICC</b>	1:200 - 1:2000
<b>IF-P</b>	1:200 - 1:2000
<b>IHC-P</b>	1:200 - 1:2000
<b>ChIP</b>	5µg antibody for 10µg-15µg of Chromatin
<b>ELISA</b>	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.

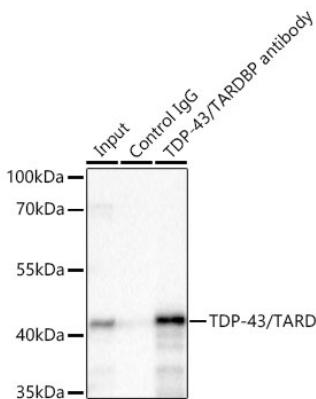
## **Contact**

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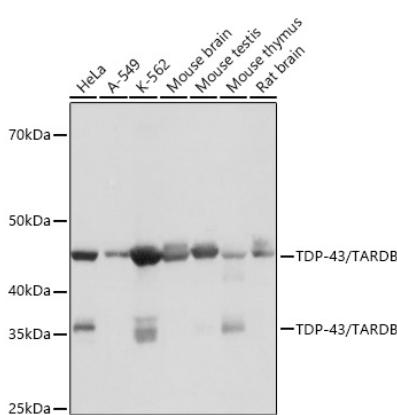
-  | 400-999-6126
-  | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)
-  | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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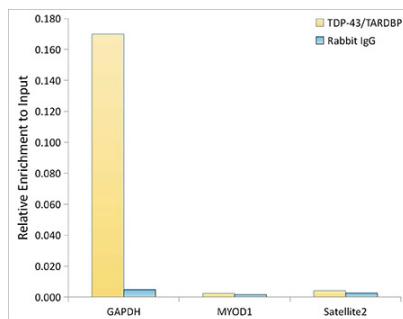
## Validation Data



Immunoprecipitation of TDP-43/TARDBP from 500  $\mu$ g extracts of K-562 cells was performed using 2  $\mu$ g 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.

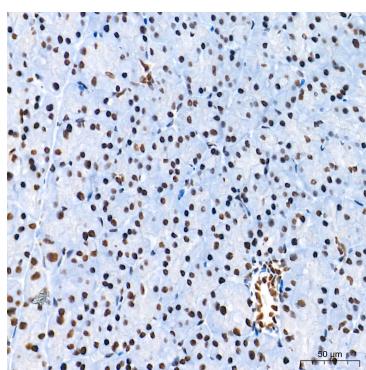
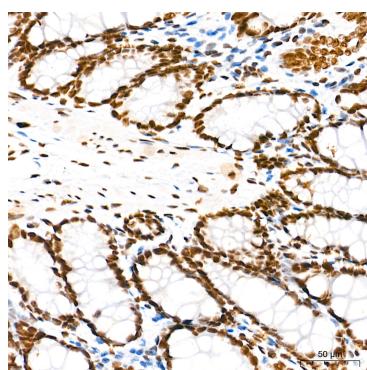
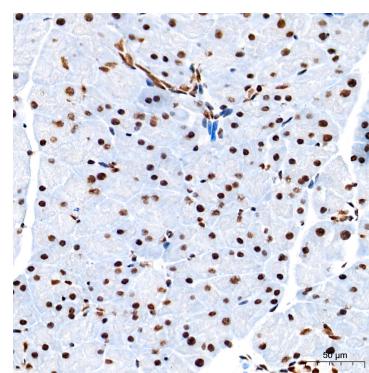
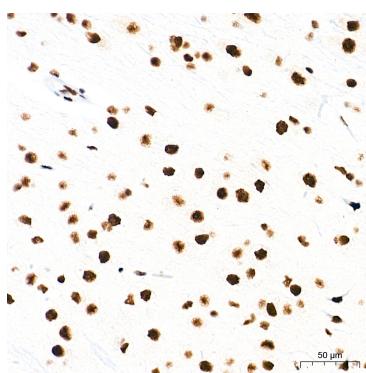
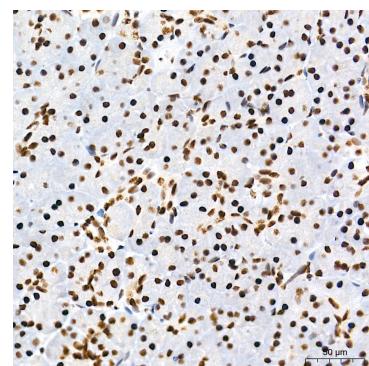
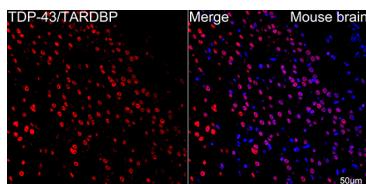
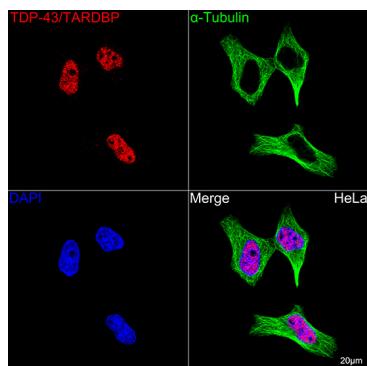


Western blot analysis of various lysates using TDP-43/TARDBP Rabbit mAb (A19123) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit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



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.