TDP-43/TARDB Monoclonal Antibody

CAB19123

Description

This TDP-43/TARDB Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB19123
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	ALS10, TDP-43, TDP-43/TARDBP
Clone:	ARC0492
Applications:	WB IHC-P IF/ICC IP ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	23435
Uniprot:	AB_2862616
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	35kDa/45kDa
Calculated MW:	45kDa

Preparation & Storage

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.

Store Bradford Reagent at Room Temperature for 1 Year.

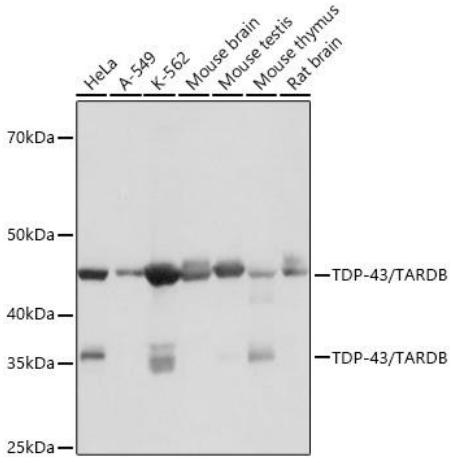
Positive Sample: HeLa, A549, K-562, Mouse brain, Mouse testis, Mouse thymus, Rat brain

Recommended Dilutions:

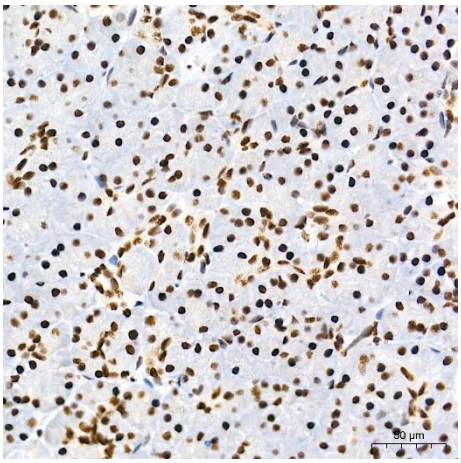
WB	1:1000 - 1:6000
IP	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells
IF/ICC	1:200 - 1:2000
IF-P	1:200 - 1:2000
IHC-P	1:200 - 1:2000 ChIP 5µg antibody for 10µg-15µg of Chromatin
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay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

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

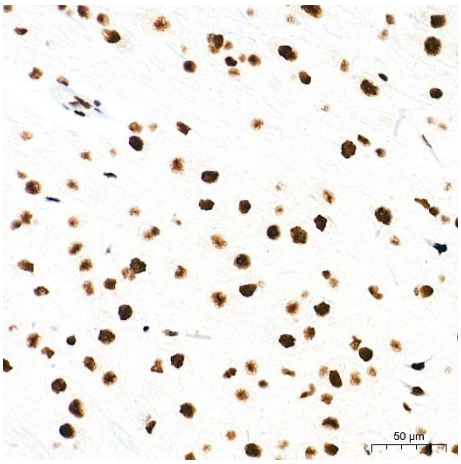
Validation Data



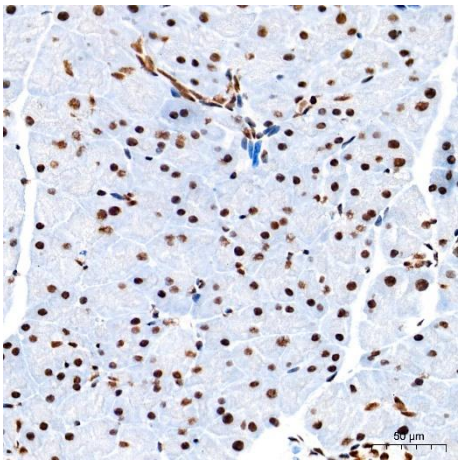
Western blot analysis of various lysates using TDP-43/TARDBP Rabbit mAb (CAB19123) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



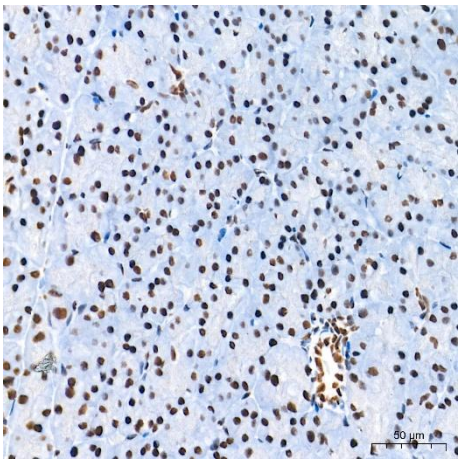
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using TDP-43/TARDBP Rabbit mAb (CAB19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



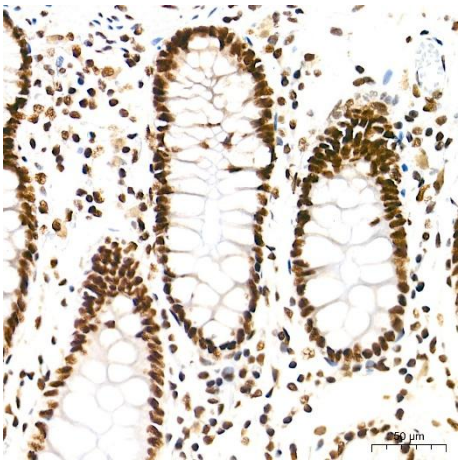
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TDP-43/TARDBP Rabbit mAb (CAB19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



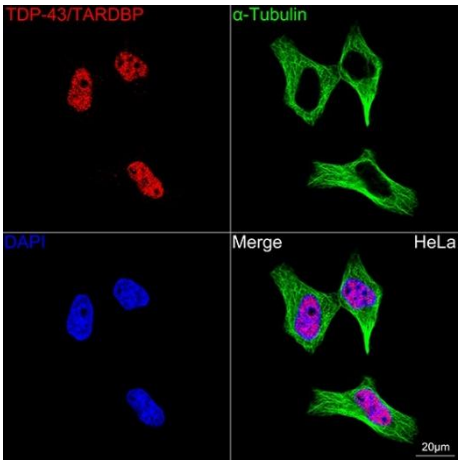
Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using TDP-43/TARDBP Rabbit mAb (CAB19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



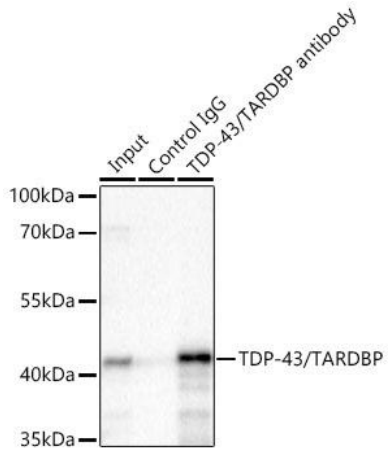
Immunohistochemistry analysis of paraffin-embedded Rat pancreas tissue using TDP-43/TARDBP Rabbit mAb (CAB19123) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using TDP-43/TARDBP Rabbit mAb (CAB19123) 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.



Confocal imaging of HeLa cells using TDP-43/TARDBP Rabbit mAb (CAB19123, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of TDP-43/TARDBP from 500 µg extracts of K-562 cells was performed using 2 µg of TDP-43/TARDBP Rabbit mAb (CAB19123). Rabbit IgG isotype control (CABC042) 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 (CAB19123) at a dilution of 1:500.