

# TDP-43 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Chicken, Human, Mouse, Non-human primate, Xenopus, Zebrafish
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to C terminal region within residues 350-414 of the human TARDBP protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2200504

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:250	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
ELISA (ELISA)	Assay-Dependent	-

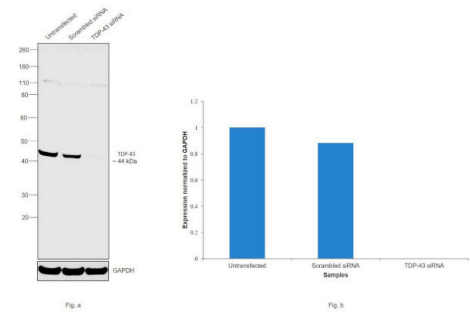
## Product Specific Information

Suggested positive control: Hela whole cell extract, antigen standard for TARDBP (transient overexpression lysate).

Product Images For TDP-43 Polyclonal Antibody

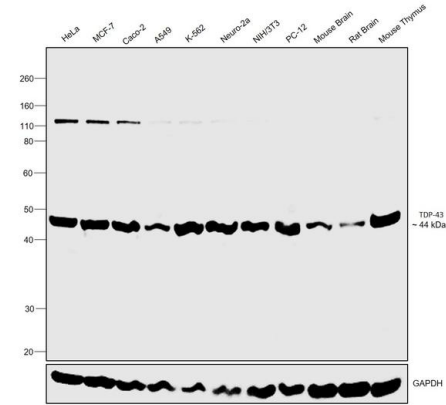
TDP-43 Antibody (PA1-16996)

Antibody specificity was demonstrated by siRNA mediated KD of target protein. HeLa cells were transfected with TDP-43 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-TDP-43 Polyclonal Antibody (Product # PA1-16996). {KD}



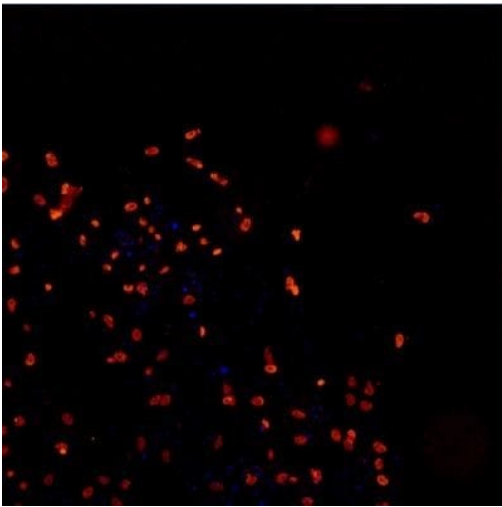
TDP-43 Antibody (PA1-16996) in WB

Western blot was performed using Anti-TDP-43 Polyclonal Antibody(Product # PA1-16996) and a 44 kDa band corresponding to TDP-43 was observed across cell lines and tissue extracts tested. A non-specific band around 110 kDa has also been observed in HeLa, MCF-7 and Caco-2. Whole Cell Extract-WCL (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), Caco-2 (Lane 3), A549 (Lane 4), K-562 (Lane 5), Neuro-2a (Lane 6), NIH/3T3 (Lane 7), PC-12 (Lane 8) and tissue extracts of Mouse Brain (Lane 9), Rat Brain (Lane 10) and Mouse Thymus (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



TDP-43 Antibody (PA1-16996) in ICC/IF

Immunocytochemistry analysis of TDP-43 in Human iPS derived neurons, fixed in 4% formaldehyde solution. Samples were incubated in TDP-43 polyclonal antibody (Product # PA1-16996) using a dilution of 1:200. Analysis using the DyLight 550 conjugate. All antibodies were diluted in PBS/BSA 3% (w/v) ) Triton X-100 0,3 % (v/v). Images taken by an Arrayscan (Cellomics). Blue dots in TDP staining is Hoechst.



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