

# Product Datasheet

## TDP-43/TARDBP Antibody (JM51-10) NBP2-80137

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80137****TDP-43/TARDBP Antibody (JM51-10)**

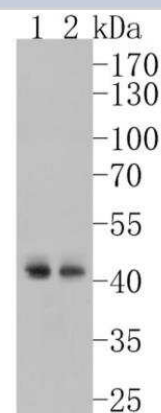
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM51-10
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit TDP-43/TARDBP Antibody (JM51-10) (NBP2-80137) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23435
Gene Symbol	TARDBP
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within Human TDP-43/TARDBP aa 354-390 / 414; (2)aa 253-290 / 414. (SwissProt: Q13148 Human; SwissProt: Q921F2 Mouse; Unigene:2633 Rat; Entrez Gene:325052 Zebrafish)

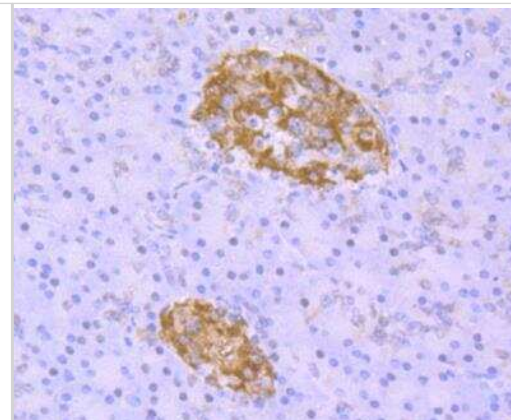
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation Use at an assay dependent concentration., Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen 1:100

**Images**

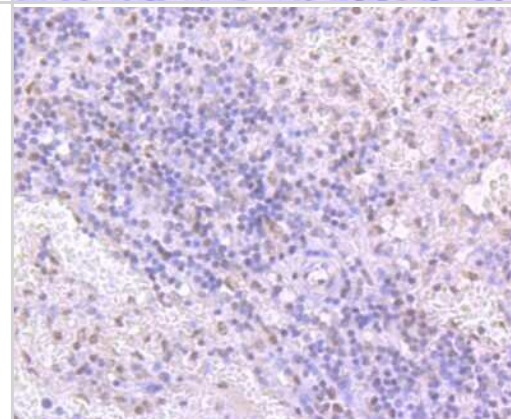
Western Blot: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Analysis of TDP43 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: K562 cell lysate Lane 2: HeLa cell lysate.



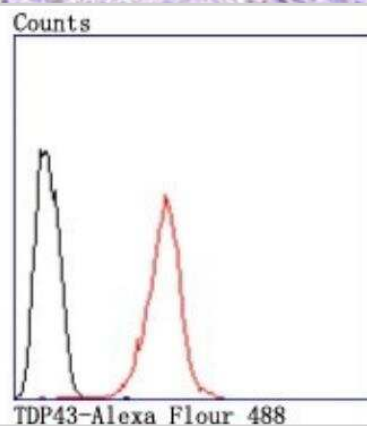
Immunocytochemistry/Immunofluorescence: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Analysis of paraffin-embedded human pancreas tissue using TDP-43/TARDBP Antibody (JM51-10). Counter stained with hematoxylin.



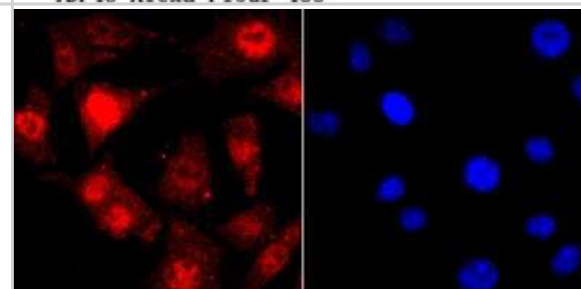
Immunohistochemistry-Paraffin: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-TDP-43/TARDBP antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



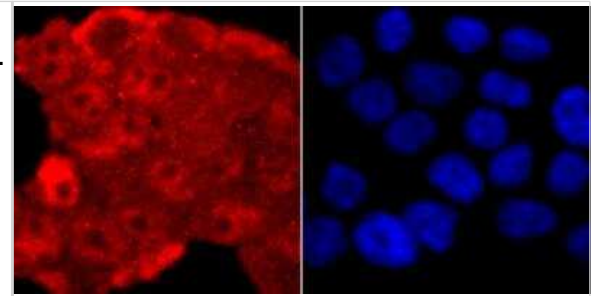
Flow Cytometry: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Analysis of Hela cells with TDP-43/TARDBP Antibody (JM51-10) at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



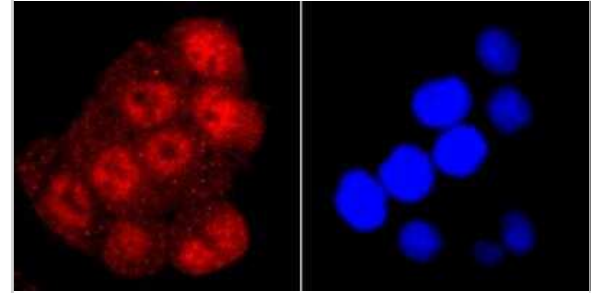
Immunocytochemistry/Immunofluorescence: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Staining TDP-43/TARDBP in SH-SY5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



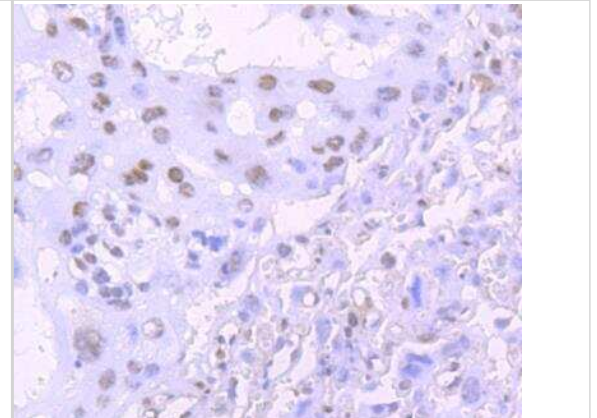
Immunocytochemistry/Immunofluorescence: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Staining TDP-43/TARDBP in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Staining TDP-43/TARDBP in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: TDP-43/TARDBP Antibody (JM51-10) [NBP2-80137] - Analysis of paraffin-embedded mouse placenta tissue using TDP-43/TARDBP Antibody (JM51-10). Counter stained with hematoxylin.





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### **Products Related to NBP2-80137**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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