

Product Datasheet

TDP-43/TARDBP Antibody (4R5L7) NBP3-15677-100ul

Unit Size: 100 ul

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

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NBP3-15677-100ul

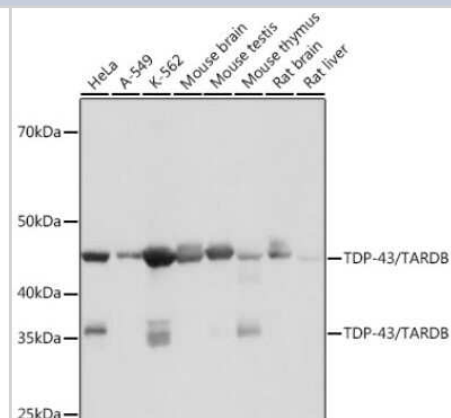
TDP-43/TARDBP Antibody (4R5L7)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4R5L7
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA
Target Molecular Weight	45 kDa
Product Description	
Description	Novus Biologicals Rabbit TDP-43/TARDBP Antibody (4R5L7) (NBP3-15677) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23435
Gene Symbol	TARDBP
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human TDP-43/TARDB (Q13148). GNNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWGMMLASQQNQSG PSGNNQNQGNMQREPNQAFGSGNNSYSGSNSGAAIGWGSASNAGSGSGFN GG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000 - 1:6000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin 1:200 - 1:2000, Chromatin Immunoprecipitation (ChIP) 5µg antibody for 10µg-15µg of Chromatin

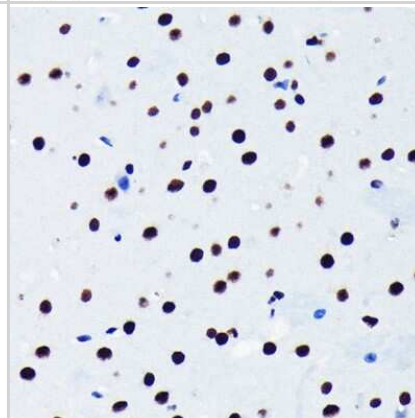


Images

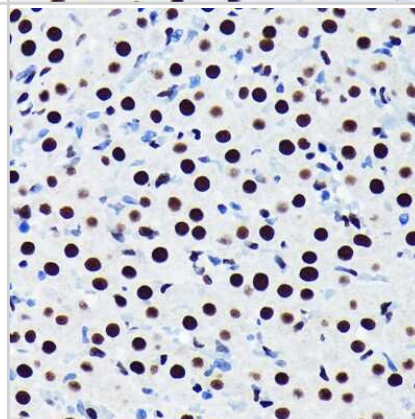
Western Blot: TDP-43/TARDBP Antibody (4R5L7) [NBP3-15677] - Western blot analysis of extracts of various cell lines, using TDP-43/TARDBP antibody (NBP3-15677) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



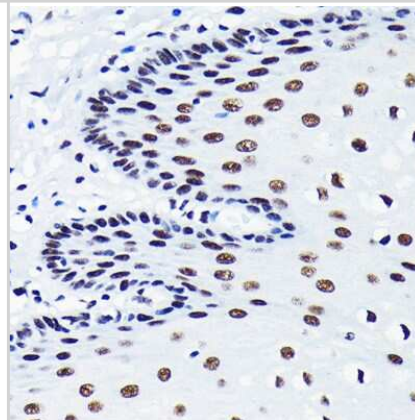
Immunohistochemistry-Paraffin: TDP-43/TARDBP Antibody (4R5L7) [NBP3-15677] - Immunohistochemistry of paraffin-embedded mouse brain using TDP-43/TARDBP Rabbit mAb (NBP3-15677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



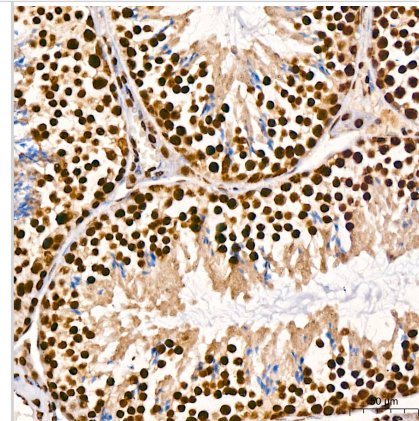
Immunohistochemistry-Paraffin: TDP-43/TARDBP Antibody (4R5L7) [NBP3-15677] - Immunohistochemistry of paraffin-embedded rat ovary using TDP-43/TARDBP Rabbit mAb (NBP3-15677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



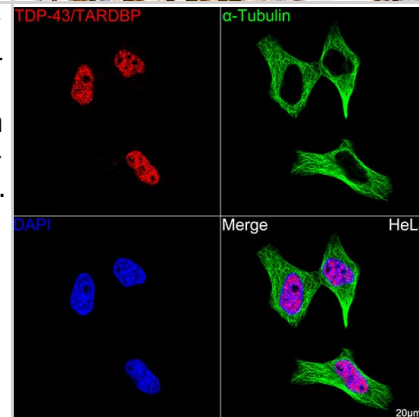
Immunohistochemistry-Paraffin: TDP-43/TARDBP Antibody (4R5L7) [NBP3-15677] - Immunohistochemistry of paraffin-embedded human esophageal using TDP-43/TARDBP Rabbit mAb (NBP3-15677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



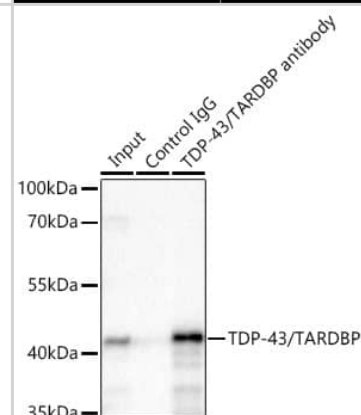
Immunohistochemistry: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunohistochemistry analysis of paraffin-embedded Mouse testis using TDP-43/TARDBP Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



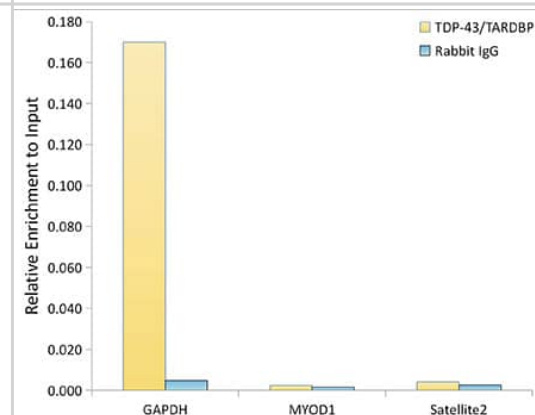
Immunocytochemistry/ Immunofluorescence: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Confocal imaging of HeLa cells using TDP-43/TARDBP Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . The cells were counterstained with alpha-Tubulin Mouse mAb followed by incubation with ABflo 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



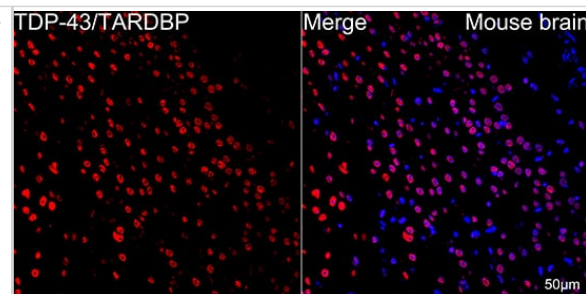
Immunoprecipitation: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunoprecipitation of TDP-43/TARDBP from 500 ug extracts of K-562 cells was performed using 2 ug of TDP-43/TARDBP Rabbit mAb . Rabbit IgG isotype control was used to precipitate the Control IgG sample. IP samples were eluted with 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 at a dilution of 1:500.



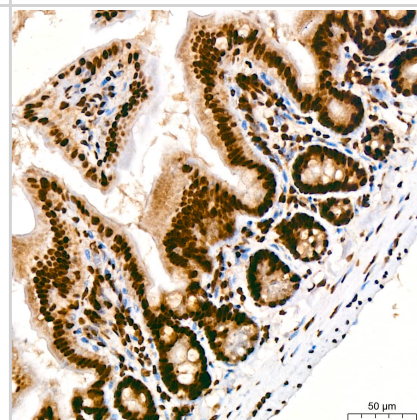
Chromatin Immunoprecipitation: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Chromatin immunoprecipitation analysis of extracts of K562 cells, using TDP-43/TARDBP Rabbit mAb and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



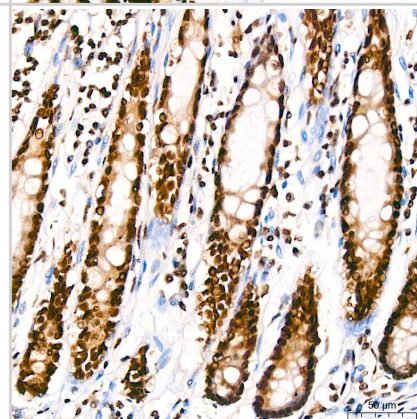
Immunocytochemistry/ Immunofluorescence: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Confocal imaging of paraffin-embedded Mouse brain tissue using TDP-43/TARDBP Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



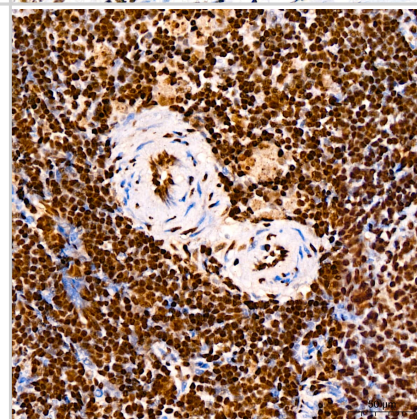
Immunohistochemistry: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunohistochemistry analysis of paraffin-embedded Mouse colon using TDP-43/TARDBP Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



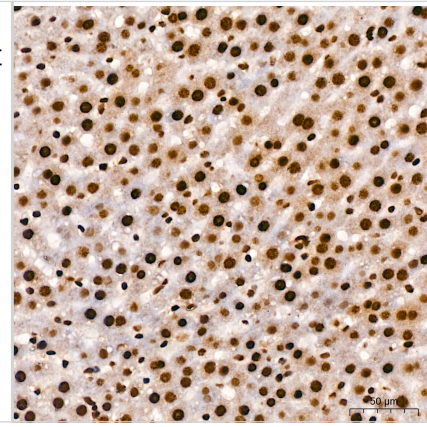
Immunohistochemistry: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunohistochemistry analysis of paraffin-embedded Human colon using TDP-43/TARDBP Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunohistochemistry analysis of paraffin-embedded Rat spleen using TDP-43/TARDBP Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry: TDP-43/TARDBP Antibody (4R5L7) [TDP-43/TARDBP] - Immunohistochemistry analysis of paraffin-embedded Rat liver using TDP-43/TARDBP Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-55376PEP	TDP-43/TARDBP Antibody Blocking Peptide

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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