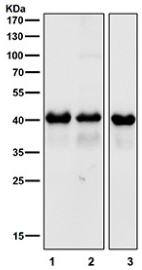
TARDBP Antibody / TAR DNA binding protein 43 / TDP43 [clone ABAB-20] (RQ8883)

Catalog No.	Formulation	Size
RQ8883	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

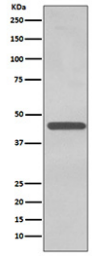
Recombinant RABBIT MONOCLONAL

Bulk quote request

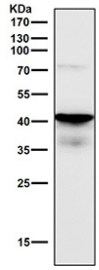
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ABAB-20
Purity	Affinity chromatography
UniProt	Q13148
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:500-1:2000
Limitations	This TARDBP antibody is available for research use only.



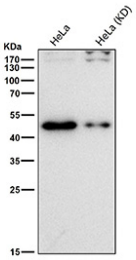
Western blot testing of 1) mouse brain, 2) mouse skin and 3) rat brain tissue lysate with TARDBP antibody. Predicted molecular weight ~45 kDa, commonly observed at 43-45 kDa.



Western blot testing of human K562 cell lysate with TARDBP antibody. Predicted molecular weight ~45 kDa, commonly observed at 43-45 kDa.



Western blot testing of human HepG2 cell lysate with TARDBP antibody. Predicted molecular weight ~45 kDa, commonly observed at 43-45 kDa.



Western blot testing of human HeLa cell lysate (wild type and knock down) with TARDBP antibody. Predicted molecular weight ~45 kDa, commonly observed at 43-45 kDa.

Description

TARDBP encodes TDP-43, a DNA/RNA-binding protein that regulates pre-mRNA splicing, transcript stability, and RNA transport. It shuttles between nucleus and cytoplasm and recognizes UG-rich elements through 2 RNA recognition motifs (RRM1/RRM2), while a low-complexity, glycine-rich C-terminus supports proteinÃ¢Â€Â“protein and ribonucleoprotein assembly. Through these activities, TDP-43 coordinates RNA processing programs that influence neuronal function and broader cell biology.

TDP-43 participates in stress-responsive ribonucleoprotein remodeling and interacts with components of transcription, splicing, and translation pathways. Changes in localization, solubility, or post-translational status are widely monitored as readouts in studies of RNA metabolism, proteostasis, and cellular stress adaptation across model systems.

The **TARDBP antibody** enables specific detection of endogenous TDP-43 in applications such as western blot, immunofluorescence, immunohistochemistry, and immunoprecipitation. Researchers use the TARDBP antibody from NSJ Bioreagents to quantify total protein, assess nuclearÃ¢Â€Â“cytoplasmic distribution, and evaluate biochemical fractionation outputs. With high specificity and consistent performance, the TARDBP antibody supports rigorous analysis of RNA-binding protein networks and RNA processing dynamics.

Application Notes

Optimal dilution of the TARDBP antibody should be determined by the researcher.

Immunogen

A peptide sequence specific to TAR DNA binding protein 43 was used as the immunogen for the TARDBP antibody.

Storage

After reconstitution, the TARDBP Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.