

## Recombinant TARDBP TAR DNA binding protein / TDP43 Antibody

Rabbit Monoclonal Antibody [Clone TARDP/9299R]

Catalog No	Format	Size
23435-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23435-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23435-RBM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

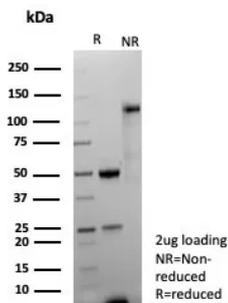
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

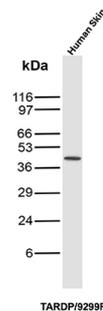
<b>Clone</b>	TARDP/9299R
<b>Gene Name</b>	TARDBP
<b>Immunogen</b>	Recombinant fragment within human TDP43 aa 200 to the C-terminus.
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	44kDa
<b>Cellular Localization</b>	it is absent from the nucleus of affected neurons but it is the primary component of cytoplasmic ubiquiti, Nucleus. In patients with frontotemporal lobar degeneration and amyotrophic lateral sclerosis
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human cerebrum or colon. Skin

\*Optimal dilution for a specific application should be determined.

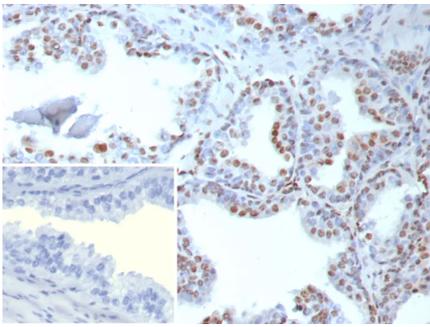
### Product Images for Recombinant TARDBP TAR DNA binding protein / TDP43 Antibody



SDS-PAGE Analysis of Purified TDP43 Recombinant Rabbit Monoclonal Antibody (TARDP/9299R). Confirmation of Purity and Integrity of Antibody.



Western Blot analysis of Human Skin tissue lysate using TARDP Recombinant Rabbit Monoclonal Antibody (TARDP/9299R).



Formalin-fixed, paraffin-embedded human prostate stained with TDP43 Recombinant Rabbit Monoclonal Antibody (TARDP/9299R). Inset: PBS instead of primary antibody; secondary only negative control.

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### Specificity & Comments

TARDBP (TAR DNA binding protein), also known as TDP-43, is a nuclear protein that contains two RRM (RNA recognition motif) domains. Ubiquitously expressed with highest levels found in placenta, lung, pancreas, spleen and genital tract, TARDBP functions as a DNA-binding protein and specifically binds to the TAR DNA sequence motifs of HIV. Via this association with TAR motifs, TARDBP acts as a transcriptional repressor and inhibits HIV-1 transcription. TARDBP can also function as a negative regulator of splicing activity and is known to be involved in the splicing of CFTR (cystic fibrosis transmembrane receptor). In addition, TARDBP is a major component of ubiquitin-positive inclusion bodies that are prominent in many neurodegenerative diseases. This suggests that TARDBP may play a role in the development of neurodegenerative disorders. Due to alternative splicing events, various isoforms exist for TARDBP.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### Research Areas

Neuroscience, Nuclear Marker

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