

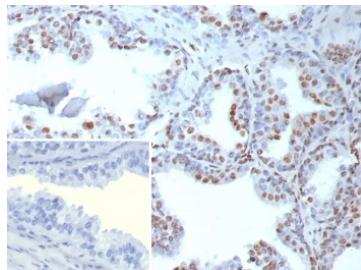
## Recombinant TDP43 Antibody / TARDBP / TAR DNA binding protein [clone TARDP/9299R] (V5595)

Catalog No.	Formulation	Size
V5595-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5595-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5595SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

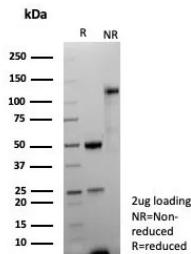
Recombinant **RABBIT MONOCLONAL**

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TARDP/9299R
Purity	Protein A/G affinity
UniProt	Q13148
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant TDP43 antibody is available for research use only.



IHC staining of FFPE human prostate tissue with recombinant TDP43 antibody (clone TARDP/9299R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant TDP43 antibody (clone TARDP/9299R) as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the recombinant TDP43 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment within human TDP43 aa 200 to the C-terminus was used as the immunogen for the recombinant TDP43 antibody.

## Storage

Aliquot the recombinant TDP43 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.