

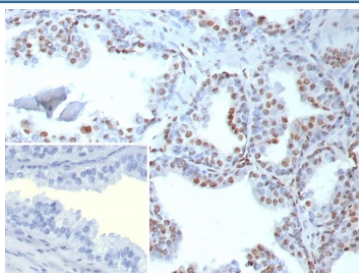
Recombinant TDP43 Antibody / TARDBP / TAR DNA binding protein [clone TARDP/9299R] (V5595)

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

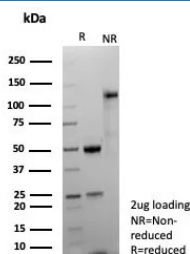
Recombinant **RABBIT MONOCLONAL**

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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.