

# Anti-TDP43 [DB9]

**Catalogue number:** 152054

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Fiona Benson

**Institute:** Lancaster University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-TDP43 [DB9]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody used in study of TDP-43 associated diseases. Background and Research Application TAR DNA-binding protein 43 (TDP-43) belongs to the hnRNP protein family and plays an important role in transcription, pre-mRNA splicing, mRNA stability and mRNA transport. It is involved in splicing of the apolipoprotein A-II and cystic fibrosis transmembrane gene. This protein is highly expressed in the pancreas, placenta, lung, genital tract and spleen. Mutations in TDP-43 have been associated with amyotrophic lateral sclerosis, frontotemporal dementia, Parkinson's disease and Alzheimer's disease.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** A his-tagged recombinant protein corresponding to amino acid residues 208-414 of human TDP-43.

**Immunogen UNIPROT ID:** Q13148

**Sequence:**

**Growth properties:**

**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** TDP43

**Target alternate names:**

**Target background:** Monoclonal antibody used in study of TDP-43 associated diseases. Background and Research Application TAR DNA-binding protein 43 (TDP-43) belongs to the hnRNP protein family and plays an important role in transcription, pre-mRNA splicing, mRNA stability and mRNA transport. It is involved in splicing of the apolipoprotein A-II and cystic fibrosis transmembrane gene. This protein is highly expressed in the pancreas, placenta, lung, genital tract and spleen. Mutations in TDP-43 have been associated with amyotrophic lateral sclerosis, frontotemporal dementia, Parkinson's disease and Alzheimer's disease.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

Related tools:

## References

References:

CancerTools.org