
TDP43 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253752

Unit: 0.1 mg

Description:

TDP43 was initially identified as a novel cellular protein that bound to HIV-1 virus TAR DNA sequence motifs and acts as a transcriptional repressor to the HIV-1 LTR. Later experiments revealed that TDP43 also regulates the splicing of exon 9 of the cystic fibrosis transmembrane conductance regulator (CFTR), most likely through the association with the UG repeats at the 3' splice site. A hyperphosphorylated, ubiquitinated, and cleaved form of TDP43 known as pathologic TDP43 is the major disease protein in ubiquitin-positive, tau-, and alpha-synuclein-negative frontotemporal dementia (FTLD-U). TDP43 is not related to TRBP1, an RNA binding protein that binds HIV-1 TAR RNA sequences. At least two isoforms are known to exist for this protein; this TDP43 antibody only recognizes the longer of the two isoforms.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: TDP43 ; TAR DNA binding protein; TARDBP

Accession No.: ABO32290

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human TDP43.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.