Anti TDP-43 C-terminus (405-414)

BACKGROUND
TDP-43, a heterogeneous nuclear ribonucleoprotein, was identified as a component of ubiquitin-positive and tau-negative inclusions observed in cases of frontotemporal lobar degeneration (FTLD-U) and amyotrophic lateral sclerosis (ALS). Immunohistochemical analyses using antibodies generated against phospho- and non-phosphopeptides of human TDP-43 revealed that abnormally phosphorylated full-length TDP-43 (45 kDa), C-terminal fragments (~25 kDa) and smearing substances are deposited as intracellular inclusions in affected regions of FTLD-U and ALS cases. These antibodies are powerful tools for biochemical and immunohistochemical analyses of neurodegenerative diseases and for evaluation of cellular or animal models of TDP-43 proteinopathy.

Product type Primary antibody
Immunogen CMDSKSSGWGM TDP-43 (405-414)
Rased in Rabbit
Myeloma -
Clone number -
Isotype -
Source Serum
Purification -
Form Liquid. Antiserum with 0.05% NaN₃ as a preservative.
Concentration -
Volume 100 μl
Label Unlabeled
Specificity TDP-43
Cross reactivity Human, Rat
Storage Store below -20°C. (below -70°C for prolonged storage).
Aliquot to avoid cycles of freeze/thaw.

Application notes
• Western blotting: 1/1000 - 1/5000
• Immunohistochemistry: 1/1000 - 1/10000
• ELISA: 1/1000 - 1/5000

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

References
ANTIBODY CHARACTERIZATION

**Figure 1** Immunoblot analyses with pAb TDP43-C(405-414)
Predicted molecular weight: Full-length TDP-43 at 43 kDa.

**Figure 2** Immunohistochemistry of Nuclei and NCIs in dentate gyrus of FTLD-U

**RELATED PRODUCTS:**

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<th>Product Name</th>
<th>Quantity</th>
<th>Maker</th>
<th>Cat#</th>
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