



POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use

Catalog No. TIP-TD-P07

Anti TDP-43 N-terminus (3-12)**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	EYIRVTEDEC TDP-43 (3-12)
Raised in	Rabbit
Myeloma	-
Clone number	-
Isotype	-
Source	Serum
Purification	-
Form	Liquid containing 50% glycerol and 0.05% NaN ₃ .
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	<ul style="list-style-type: none">• Western blotting: 1/1000 - 1/5000• Immunohistochemistry: 1/1000 - 1/10000• ELISA: 1/1000 - 1/5000
Recommended dilutions	
References	

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

References -

ANTIBODY CHARACTERIZATION

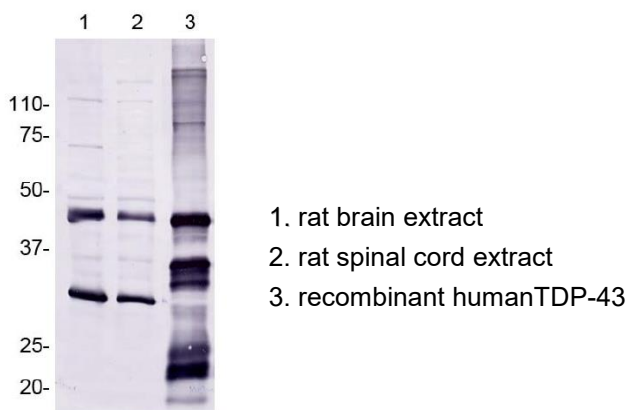


Figure 1 Immunoblot analyses with pAb TDP43-N(3-12)
 Predicted molecular weight: Full-length TDP-43 at 43 kDa.

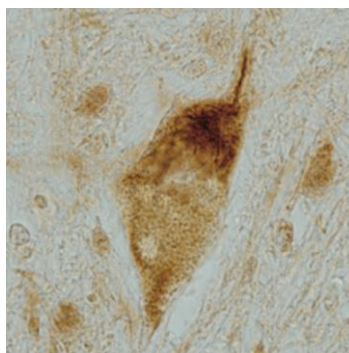


Figure 2 Immunohistochemistry of skein-like inclusion in spinal cord of ALS

RELATED PRODUCTS:

Product Name	Quantity	Maker	Cat#
Anti TDP-43, phospho Ser409/410 (clone:11-9) Monoclonal Antibody	50 uL	CAC	TIP-PTD-M01
Anti TDP-43, phospho Ser409 Polyclonal Antibody	100 uL	CAC	TIP-PTD-P03
Anti TDP-43, phospho Ser410 Polyclonal Antibody	100 uL	CAC	TIP-PTD-P04
Anti TDP-43, phospho Ser403/404 Polyclonal Antibody	100 uL	CAC	TIP-PTD-P05
Anti TDP-43 C-terminus(405-414) Polyclonal Antibody	100 uL	CAC	TIP-TD-P09

For research use only, Not for diagnostic use.



COSMO BIO Co., LTD.

【JAPAN】
 TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,
 KOTO-KU. TOKYO 135-0016, JAPAN
 Phone: +81-3-5632-9610
 FAX: +81-3-5632-9619
 URL: <https://www.cosmobio.co.jp/>



COSMO BIO USA

【Outside Japan】
 2792 Loker Ave West, Suite 101
 Carlsbad, CA 92010, USA
 email: info@cosmobioussa.com
 Phone/FAX: (+1) 760-431-4600
 URL: www.cosmobioussa.com