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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Anti-Human TDP-43 Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL7658AP	Purified	250µg	1.0 mg/ml	CLCMG100
CL7658B	Biotin	100µg	0.1 mg/ml	CLCMG115
CL7658F	FITC	100µg	0.1 mg/ml	CLCMG101
CL7658HP	HRPO	100µg	1.0 mg/ml	N/A
CL7658AF5	Alexa Fluor®594	100 µg	0.1 mg/ml	N/A

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG_1, k

DESCRIPTION:

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.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN_3. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
Biotin, FITC and AF594: Biotin/FITC/AF594 conjugated IgG buffered in PBS, 0.02% NaN_3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
HRPO: HRPO conjugated IgG buffered in PBS with 40% glycerol (v/v) and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. No NaN3 with other preservatives.

STORAGE/STABILITY:

Store at +4°C. DO NOT FREEZE **AF594** conjugates. For long term storage (**Purified, Biotin, FITC and HRPO**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: DB9

Continued Overleaf….

In CANADA: Toll Free: 1-800-268-5058
4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644
1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

Hybridoma Production:

Immunization:

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

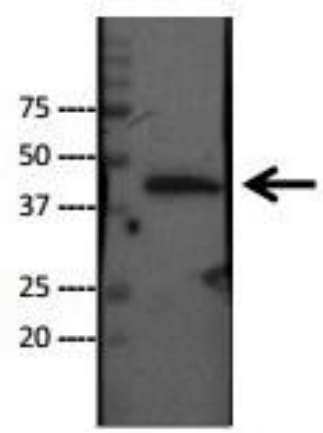
Donor: BALB/c mice

Fusion Partner: Mouse myeloma cell line Sp2/0-Ag14.

Specificity: This antibody is specific for human TDP-43.

TEST RESULTS:

Western Blot Analysis:



This immunoblot contains 4 µg of SH-SY5Y whole cell lysate. CL7658AP was used at 0.2 µg/ml and a Dako anti-mouse secondary was used at 0.25 µg/ml. CL7658AP detected endogenous full length TDP-43 at 43KDa, shown in the 12.5% SDS-PAGE gel.

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Strong MJ, Volkening K, Hammond R, et al. (2007). TDP43 is a human low molecular weight neurofilament (hNFL) mRNA-binding protein. Molecular and Cellular Neuroscience. 35 (2): 320–7.
2. Neumann M, Sampathu DM, Kwong LK, Truax AC, et al. (2006). Ubiquitinated TDP-43 in Frontotemporal Lobar Degeneration and Amyotrophic Lateral Sclerosis. Science. 314 (5796): 130–3.
3. Tremblay C, St-Amour I, Schneider J, et al. (2011). Accumulation of transactive response DNA binding protein 43 in mild cognitive impairment and Alzheimer disease. J Neuropathol Exp Neurol. 70 (9): 788–98.
4. Kwong LK, Neumann M, Sampathu DM, et al. (2007). TDP-43 proteinopathy: The neuropathology underlying major forms of sporadic and familial frontotemporal lobar degeneration and motor neuron disease. Acta Neuropathologica. 114 (1): 63–70.

FOR RESEARCH USE ONLY

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