

Datasheet

TARDBP polyclonal antibody (A01)

Catalog Number: H00023435-A01

Regulatory Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a partial recombinant TARDBP.

Immunogen: TARDBP (NP_031401.1, 1 a.a. ~ 260 a.a) partial recombinant protein with GST tag.

Sequence:

MSEYIRVTEDENDIEIPSEDDGTVLLSTVTAQFPGA
CGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVYV
VNYPKDNKRKMDDETDASSAVKVKRAVQKTSIDLIVLGL
PWKTTQDLKEYFSTFGVEVLMVQVKKDLKTGHSGKF
GFVRFTEYETQVKVMSQRHMIDGRWDCCKLPNSKQS
QDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMD
VFIPKPFRAFAFVTFADDQIAQSLCGEDLIIKGISVHISN
A

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 23435

Gene Symbol: TARDBP

Gene Alias: ALS10, TDP-43

Gene Summary: HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an

RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20. [provided by RefSeq]

References:

1. Cell stress induces TDP-43 pathological changes associated with ERK1/2 dysfunction: implications in ALS. Ayala V, Granado-Serrano AB, Cacabelos D, Naudi A, Ilieva EV, Boada J, Caraballo-Miralles V, Llado J, Ferrer I, Pamplona R, Portero-Otin M. Acta Neuropathol. 2011 Jun 25. [Epub ahead of print]
2. Mimicking aspects of frontotemporal lobar degeneration and Lou Gehrig's disease in rats via TDP-43 overexpression. Tatom JB, Wang DB, Dayton RD, Skalli O, Hutton ML, Dickson DW, Klein RL. Mol Ther. 2009 Apr;17(4):607-13. Epub 2009 Feb 17.
3. TDP-43 pathology in familial British dementia. Schwab C, Arai T, Hasegawa M, Akiyama H, Yu S, McGeer PL. Acta Neuropathol. 2009 Aug;118(2):303-11. Epub 2009 Mar 13.