

TARDBP Antibody

Catalog No: #32210

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Description

Product Name	TARDBP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total TARDBP protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TARDBP.
Target Name	TARDBP
Other Names	TARDBP; ALS10; TDP-43; Tdp43; TDP43
Accession No.	Swiss-Prot:Q13148NCBI Gene ID:23435
SDS-PAGE MW	43KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

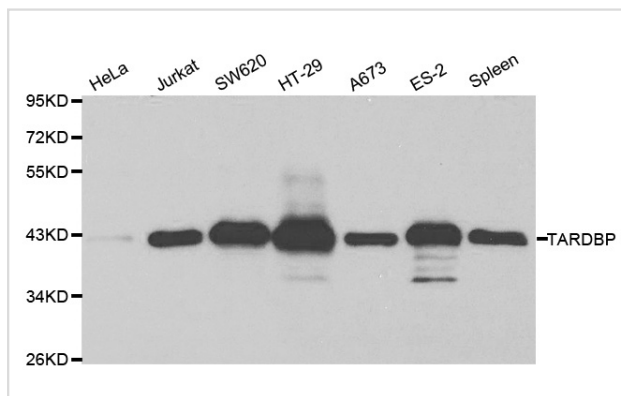
Application Details

Western blotting: 1:500 - 1:2000

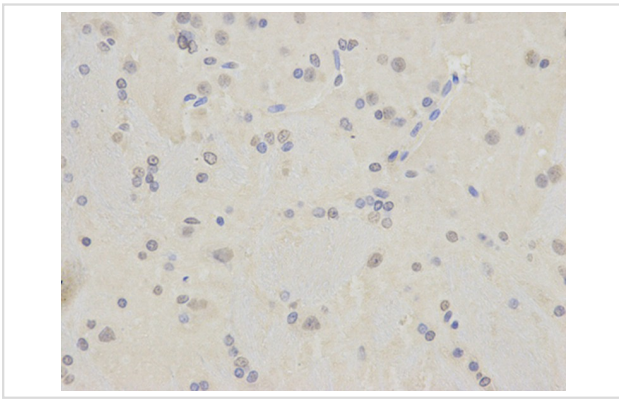
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:20 - 1:100

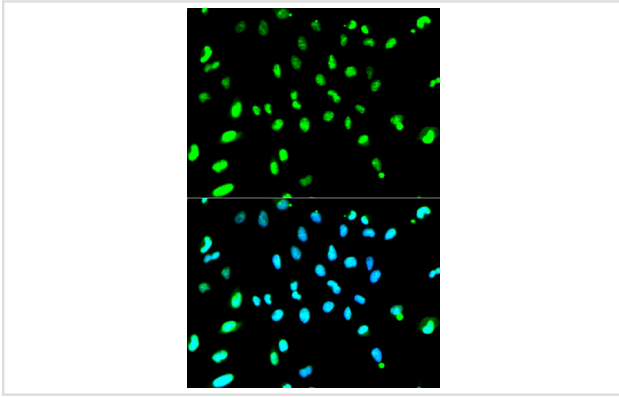
Images



Western blot analysis of extracts of various cell lines, using TARDBP antibody.



Immunohistochemical analysis of paraffin-embedded rat brain lung using TARDBP antibody at dilution of 1:200 (400x lens).



Immunofluorescence analysis of HeLa cell using TARDBP antibody. Blue: DAPI for nuclear staining.

Background

TDP43 (TAR DNA-binding protein 43) is involved in transcriptional regulation and exon splicing (1,2). While normal TDP43 is a nuclear protein, pathological TDP43 is a component of insoluble aggregates in patients with frontotemporal lobar degeneration (FTLD) and amyotrophic lateral sclerosis (ALS). In these disorders, TDP43 is abnormally ubiquitinated, phosphorylated and cleaved to generate carboxy-terminal fragments that are sequestered as insoluble aggregates in neuronal nuclei, perikarya, and neurites (3,4). Additionally, TDP43 inhibits the expression of the HIV-1 gene and regulates CFTR gene splicing (1,5).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.