

## Mouse anti-Human TDP-43 / TARDBP Monoclonal Antibody | anti-TDP-43 antibody

Mouse Monoclonal [clone 2E2-D3] (IgG1,k) to Human TDP-43 / TARDBP

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA12349  | Mouse | Human      | Immunohistochemistry, Immunofluorescence, Western Blot, ELISA |

### PRODUCT SYNONYMS

TDP-43 / TARDBP; Monoclonal Antibody; Mouse Monoclonal [clone 2E2-D3] (IgG1; k) to Human TDP-43 / TARDBP; Anti-TDP-43 / TARDBP Antibody (clone 2E2-D3) IHC-plus; TARDBP; ALS10; TAR DNA-binding protein-43; TDP-43; TAR DNA binding protein; TAR DNA-binding protein 43; TDP43; Human TDP-43; anti-TDP-43 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                                             |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                        |
| Isotype                                          | IgG1,k                                                                                                                                                                                                                                                                                            |
| Clone Number                                     | 2E2-D3                                                                                                                                                                                                                                                                                            |
| Purity/Purification                              | Protein A Purified                                                                                                                                                                                                                                                                                |
| Form/Format                                      | PBS, pH 7.2                                                                                                                                                                                                                                                                                       |
| Concentration                                    | 0.47 mg/ml (varies by lot)                                                                                                                                                                                                                                                                        |
| Sequence Length                                  | 414                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-TDP-43 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), ELISA                                                                                                                                                                                                                     |
| Application Notes                                | ELISA, IF (10 ug/ml), IHC-P (5 ug/ml), RNAi, WB<br>Usage: Western Blot (Cell lysate) - positive control A-431. Western Blot (Transfected lysate) - positive control transfected 293T cell line. Immunofluorescence (10 ug/ml) - positive control HeLa cells. RNAi Knockdown (Antibody validated). |
| Target Species                                   | Human                                                                                                                                                                                                                                                                                             |
| Immunogen Description                            | TARDBP (AAH01487, 1 a.a. ~ 261 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                              |
| Immunogen Type                                   | Recombinant protein                                                                                                                                                                                                                                                                               |
| Immunogen                                        | TDP-43 / TARDBP antibody was raised against tARDBP (AAH01487, 1 a.a. ~ 261 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                  |
| Preparation and Storage                          | Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.                                                                                                                                                                                                                                       |

IMAGES



RNA interference

Western blot of TARDBP over-expressed 293 cell line, cotransfected with TARDBP Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with TARDBP monoclonal antibody clone 2E2-D3. GAPDH (36.1 kD) used as specificity and loading control.



WB (Western Blot)

TARDBP monoclonal antibody clone 2E2-D3 Western blot of TARDBP expression in A-431.



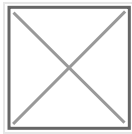
WB (Western Blot)

Western blot of TARDBP expression in transfected 293T cell line by TARDBP monoclonal antibody clone 2E2-D3.



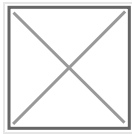
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to TARDBP on HeLa cell (antibody concentration 10 ug/ml).



IHC (Immunohistochemistry)

Anti-TARDBP antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-TARDBP antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 6678271                                                                        |
| NCBI GeneID                      | 23435                                                                          |
| NCBI Accession #                 | NP_031401.1                                                                    |
| NCBI GenBank Nucleotide #        | NM_007375.3                                                                    |
| UniProt Accession #              | Q13148; Q53H27; Q6FI92; Q96DJ0; A4GUK4; A4GUK5; A4GUK6; B2R629; B4DJ45; E2PU12 |
| Molecular Weight                 | 31,808 Da                                                                      |
| NCBI Official Full Name          | TAR DNA-binding protein 43                                                     |
| NCBI Official Synonym Full Names | TAR DNA binding protein                                                        |
| NCBI Official Symbol             | TARDBP                                                                         |
| NCBI Official Synonym Symbols    | ALS10; TDP-43                                                                  |
| NCBI Protein Information         | TAR DNA-binding protein 43; TAR DNA-binding protein-43                         |
| UniProt Protein Name             | TAR DNA-binding protein 43                                                     |
| UniProt Gene Name                | TARDBP                                                                         |
| UniProt Synonym Gene Names       | TDP43; TDP-43                                                                  |
| UniProt Entry Name               | TADBP_HUMAN                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.