Product name	Anti-TARDBP
Product number	HPA017284
Lot Number	A37297
Description	TAR DNA binding protein
Database links	Human Protein Atlas: ENSG00000120948 Ensembl: ENSG00000120948 Uniprot/SWISSPROT;Acc:Q13148 HGNC Symbol;Acc:11571
Alternative names	ALS10, TDP-43

Tested Applications

Immunohistochemistry-Paraffin Embedded Tissues (IHC-P)

IHC-P Anti-TARDBP

Immunohistochemical staining of human epididymis shows distinct positivity in both nuclei and cytoplasm of glandular cells.

Click the image to magnify

Recommended conditions:

- Retrieval method: HIER pH6
- Dilution: 1:200 - 1:500

Protocol IHC-P

Optimal concentrations and conditions should be determined by the end user.

Link to all characterization data on the Human Protein Atlas

NOTE: Please visit the Human Protein Atlas for the images of the immunohistochemical analysis of 576 human tissue samples of normal and cancer origin as well as 59 cells and cell lines in duplicates.

Western Blot (WB)

WB Anti-TARDBP

Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11
Lane 2: RT-4
Lane 3: U-251 MG
Lane 4: Human Plasma
Lane 5: Liver
Lane 6: Tonsil

Recommended conditions:

- Dilution: 1:250 - 1:500

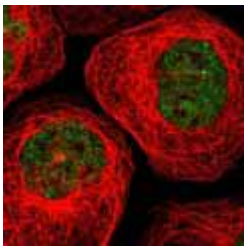
Protocol WB

Optimal concentrations and conditions should be determined by the end user.

Link to WB characterization data on the Human Protein Atlas

Immunoflouroscence (IF)

IF Anti-TARDBP

	Immunofluorescent staining of human cell line A-431 shows positivity in nuclei but not nucleoli. Antibody staining is shown in green.  Click the image to magnify *Recommended conditions:* • Fixation/Permeabilization: PFA/Triton X-100 • Working concentration: 1-4 µg/ml Protocol IF *Optimal concentrations and conditions should be determined by the end user.* NOTE: Please visit the Human Protein Atlas for the images of the immunofluorescence analysis of three different cell lines stained with the Prestige Antibody as well as with probes, displayed as different colors/channels, targeting specific intracellular compartments. Link to all characterization data on the Human Protein Atlas
	Protein Array (PA) Anti-TARDBP shows specific reactivity against target antigen. Protocol PA
References	Manu Sharma et al **CSPalpha promotes SNARE-complex assembly by chaperoning SNAP-25 during synaptic activity** *Nature Cell Biology* 2010 Dec;13(1):30-39 PubMed ID: 21151134 DOI: 10.1038/ncb2131
Immunogen	Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence: VTFADDQIAQSLCGEDLIIKGISVHISNAEPKHNSNRQLERSGRFGGNPG GFGNQGGFGNSRGGGAGLGNNQGSNMGGGMNFGAFSINPAMMAAAQAALQ SSWGMMGMLASQQNQSGPSGNNQNQGNMQREPNQAFGSGNN
Vial Size	100 µl
Concentration	0.7 mg/ml
Raised in	Rabbit
Isotype	IgG
Clonality	Polyclonal, mono-specific.
Purity	Affinity purified using the PrEST antigen as affinity ligand.
Species reactivity	Human (Not tested in other species).
Appearance	Clear, colorless solution in phosphate buffered saline, pH 7.2, containing 40% glycerol, and 0.02% sodium azide. Material Safety Data Sheet
Storage	For continuous use, store at 2-8°C for one-two days. For extended storage, store in -20°C freezer. Working dilution samples should be discarded if not used within 12 hours.
Handling	The antibody solution should be gently mixed before use.
Shipping	Shipped at ambient temperature.