TARDBP Antibody | anti-TDP43 antibody

TARDBP, Monoclonal Antibody, Mouse

CATALOG #	REACTIVITY	APPLICATIONS
AAA76427	**Human, Cow, Pig, Mouse, Rat**	**Western Blot, Immunofluorescence**

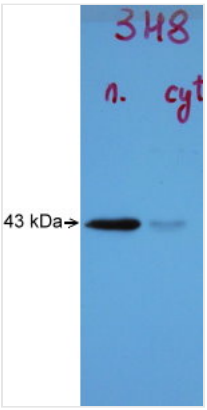
PRODUCT SYNONYMS

TARDBP; Monoclonal Antibody; Mouse; anti-TDP43 antibody

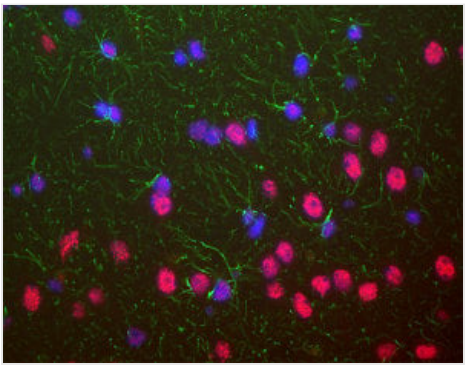
PRODUCT SPECIFICATIONS

Reactivity	Human, Cow, Pig, Mouse, Rat
Form/Format	Ascites Fluid - Liquid
Sequence Length	414
Applicable Applications for anti-TDP43 antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Mouse IgG
Immunogen	Full length recombinant human TDP43 expressed in and purified from E Coli.
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2°C - 8°C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data
Blots of TDP43 on crude extract of mouse brain nuclear fraction (left lane) and cytoplasmic fraction (right lane). There is a strong clear band in the nuclear preparation running at 43kDa, and a much more minor band in the cytoplasmic fraction.



Application Data
Image: TDP43 staining of formalin fixed adult rat brain, specifically the hippocampus. Hippocampal neuron nuclei are stained strongly. Chicken antibody to GFAP (green) shows the processes of astrocytic glial cells. Nuclei of all cells are revealed with DAPI DNA stain (blue). The TARDP antibody stains neuronal nuclei strongly and the nuclei of some non-neuronal cells much more weakly. Neuronal nuclei therefore look crimson, since they are both red due to the content of TDP43 and blue due to their content of DNA, stained blue with DAPI. Protocol on data-sheet.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TDP43 antibody	Antibodies; Neurodegenerative Disease; Tar DNA Binding Protein 43 (TDP43)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678271
NCBI GeneID	23435
NCBI Accession #	NP_031401.1
NCBI GenBank Nucleotide #	NM_007375.3
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
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.

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Online datasheet: https://www.aaabiotech.com/tdp43-cow-human-mouse-pig-rat-antibody/tardbp/76427