

**Anti-TDP43 Antibody**

**Our Anti-TDP43 primary antibody from PhosphoSolutions is rabbit polyclonal. It detects human and rat**

**Catalog # AN1576**

**Specification**

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**Anti-TDP43 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O13148</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	44740

**Anti-TDP43 Antibody - Additional Information**

Gene ID **23435**

**Other Names**

ALS10 antibody, OTTHUMP00000002171 antibody, OTTHUMP00000002172 antibody, OTTHUMP00000002173 antibody, TADBP\_HUMAN antibody, TAR DNA binding protein 43 antibody, TAR DNA binding protein antibody, TAR DNA-binding protein 43 antibody, TARDBP antibody, TDP 43 antibody, TDP-43 antibody, TDP43 antibody

**Target/Specificity**

TDP43 (Tar DNA Binding 43, TARDBP) was originally identified as a protein which binds to the "transactivation response" (TAR) sequence found in the long terminal repeat of the HIV-1 virus genome (Ou et al., 1995). UV cross-linking of HeLa cell extract revealed a 43kDa protein which was cloned and sequenced and shown to contain two copies of the ~90 amino acid RRM domain. RRM is an acronym for RNA Recognition Motif, and this domain is found in many proteins which bind single stranded RNA and some which bind single stranded DNA. Northern blots showed that the protein is ubiquitous in tissue expression. Much interest has been focused on TDP43 recently due to its association with the inclusions seen in frontotemporal lobar degeneration and Amyotrophic Lateral Sclerosis (Neumann et al., 2006). The protein is present in these inclusions in partially degraded, hyperphosphorylated and ubiquitinated forms.

**Dilution**

WB~~1:1000

IHC~~1:100~500

**Format**

Affinity Purified

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-TDP43 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

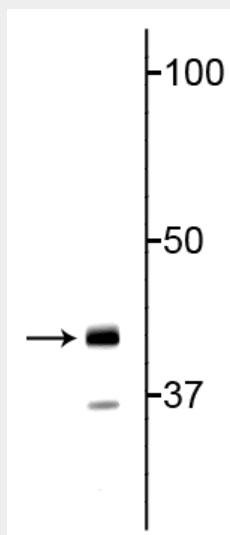
**Shipping**  
Blue Ice

### Anti-TDP43 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-TDP43 Antibody - Images



Western blot of neonatal rat brain lysate showing specific immunolabeling of the ~43 kDa TDP43 protein.

### Anti-TDP43 Antibody - Background

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