

Anti-P-TDP43(S409/410) Rabbit pAb



WL04333

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-TDP43(S409/410) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western Blot	1:1000-1:2000

**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

Molecular Wt.	45 kDa
Pack size	50/100/200/500/1000 μ l
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

The TARDBP gene encodes the TDP-43 protein, initially found to repress HIV-1 transcription by binding TAR DNA. TDP-43 has since been shown to bind RNA as well as DNA, and have multiple functions in transcriptional repression, translational regulation and pre-mRNA splicing. TDP-43 is the major component of the tau-negative and ubiquitin-positive inclusions that characterize amyotrophic lateral sclerosis (ALS) and the most common pathological subtype of frontotemporal lobar degeneration (FTLD-U). Various forms of TDP-43 exist, including 18-35 kDa of cleaved C-terminal fragments, 45-50 kDa phospho-protein, 55 kDa glycosylated form, 75 kDa hyperphosphorylated form, and 90-300 kDa cross-linked form.

Immunogen

Polyclonal antibody is produced by immunizing animals with a recombinant protein of P-TDP43(S409/410).

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

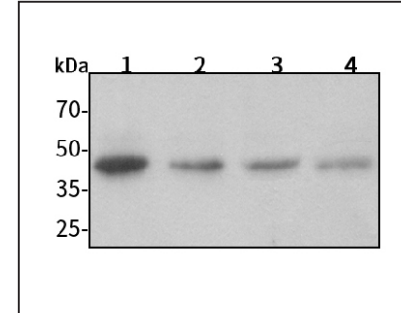
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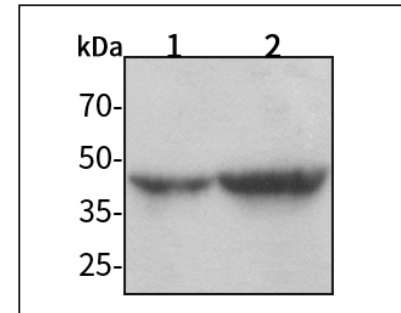
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Product Images



Western blot-Anti-P-TDP43(S409/410) pAb

Lane 1: Human MCF-7 cell lysate 30 μ g
 Lane 2: Human HEK293 cell lysate 30 μ g
 Lane 3: Human HUVEC cell lysate 30 μ g
 Lane 4: Human SW480 cell lysate 30 μ g
 Separation gel: 10% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Visualization: ECL, 30s-2min



Western blot-Anti-P-TDP43(S409/410) pAb

Lane 1: Mouse heart tissue lysate 30 μ g
 Lane 2: Rat stomach tissue lysate 30 μ g
 Separation gel: 10% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Visualization: ECL, 30s-2min