

# IHCeasy Phospho-TDP43 (Ser409/410) Ready-To-Use IHC Kit

Catalog Number: **KHC0291**

## General Information

<b>Sample type:</b> FFPE tissue	<b>Assay type:</b> Immunohistochemistry
<b>Cited sample type:</b>	<b>Primary antibody type:</b> Rabbit Recombinant
<b>Reactivity:</b> Human	<b>Secondary antibody type:</b> Polymer-HRP-Goat anti-Rabbit
<b>Cited Reactivity:</b>	

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

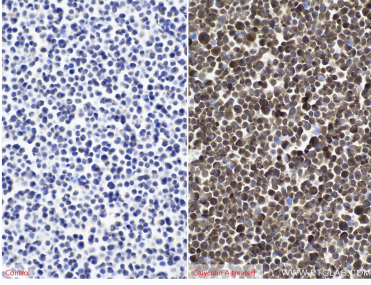
## Background

Transactivation response (TAR) DNA-binding protein of 43 kDa (also known as TARDBP or TDP-43) was first isolated as a transcriptional inactivator binding to the TAR DNA element of the HIV-1 virus. Neumann et al. (2006) found that a hyperphosphorylated, ubiquitinated, and cleaved form of TARDBP, known as pathologic 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). Primary antibody in this kit recognizing TDP-43 only when phosphorylated at 409/410. Immunohistochemical analyses using this primary antibody only stain the insoluble inclusions in pathologic tissues without normal diffuse nuclear staining.

## Synonyms

ALS10, Phospho-TDP43 (Ser409/410), TAR DNA binding protein, TAR DNA binding protein 43, TARDBP, TDP 43, TDP43, tdp-43

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Jurkat (left) and calyculin A treated Jurkat (right) cells slide using KHC0291 (Phospho-TDP43 (Ser409/410) IHC Kit).