

Nur für Forschungszwecke

# Phospho-TDP43 (Ser409/410) Rekombinanter Antikörper



Katalog-Nr.:CL647-80007

## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL647-80007	<b>GenBank-Zugangsnummer:</b> NM_007375	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von23435	<b>GeneID (NCBI):</b> von23435	<b>CloneNo.:</b> 6M10
<b>Nanodrop;</b>	<b>Vollständiger Name:</b> TAR DNA binding protein	<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 654 nm / 674 nm
<b>Wirt:</b> Kaninchen	<b>Berechnete Masse:</b> 43 kDa	
<b>Isotyp:</b> IgG		

## Anwendungen

**Geprüfte Anwendungen:**  
FC (Intra)

**Getestete Reaktivität:**  
Human, Maus

## Hintergrundinformationen

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). 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. (PMID: 17023659,19823856, 21666678, 22193176). 80007-1-RR is a recombinant rabbit monoclonal antibody recognizing TDP-43 only when phosphorylated at 409/410. Immunohistochemical analyses using this antibody only stain the insoluble inclusions in pathologic tissues without normal diffuse nuclear staining.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

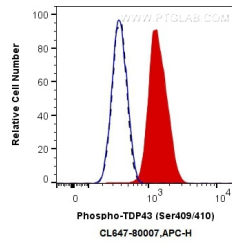
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> Jurkat cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 1 ug CoraLite® Plus 647 Anti-Human Phospho-TDP43 (Ser409/410) (CL647-80007, Clone:6M10), or 1 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.