

Nur für Forschungszwecke

Phospho-TDP43 (Ser409/410) Polyklonaler Antikörper



Katalog-Nr.: 22309-1-AP

70 Publikationen

Allgemeine Informationen

Katalog-Nr.: 22309-1-AP	GenBank-Zugangsnummer: NLM_007375	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 580 µg/ml von Nanodrop;	GeneID (NCBI): 23435	Empfohlene Verdünnungen: WB 1:500-1:2000
Wirt: Kaninchen	Vollständiger Name: TAR DNA binding protein	
Isotyp: IgG	Berechnete Masse: 43 kDa	
	Beobachtete Masse: 40-50 kDa, 25-35 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: Mit Calyculin A behandelte HeLa-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte	

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). 22309-1-AP is a rabbit polyclonal 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Nikita Fernandes	32992901	Biomolecules	IF
Janice S W Ng	31529970	Biochemistry	IF
Ching-Chieh Chou	26130692	Hum Mol Genet	WB, IF

Lagerung

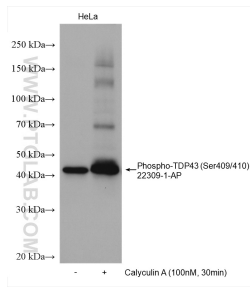
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 22309-1-AP (Phospho-TDP43 (Ser409/410) antibody) at dilution of 1:1000 incubated at room temperature for 1 hours.