

Nur für Forschungszwecke

Phospho-TDP43 (Ser403/404) Monoklonaler Antikörper



Katalog-Nr.: 66079-1-Ig **7 Publikationen**

Allgemeine Informationen

Katalog-Nr.: 66079-1-Ig	GenBank-Zugangsnummer: NML_007375	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 23435 Nanodrop und 671 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 23435	CloneNo.: 6B11B12
Wirt: Maus	Vollständiger Name: TAR DNA binding protein	Empfohlene Verdünnungen: WB 1:1000-1:6000
Isotyp: IgG2a	Berechnete Masse: 43 kDa	
	Beobachtete Masse: 25 kDa	

Anwendungen

Geprüfte Anwendungen: FC, WB, ELISA	Positivkontrollen: WB : K-562-Zellen, fetales humanes Hirngewebe, Jurkat-Zellen, RAW 264.7-Zellen
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Zebrafisch	

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). 66079-1-Ig is a mouse monoclonal antibody recognizing TDP-43 only when phosphorylated at 403/404. 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
Janice S W Ng	31529970	Biochemistry	IF
Elisa Rojas-Prats	33139113	Eur J Med Chem	WB
Lara A Gruijs da Silva	36227481	Methods Mol Biol	WB

Lagerung

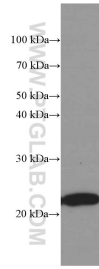
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

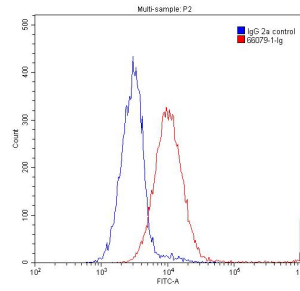
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Ausgewählte Validierungsdaten



K-562 cells were subjected to SDS PAGE followed by western blot with 66079-1-Ig (Phospho-TDP43 (Ser403/404) Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1×10^6 Jurkat cells were stained with 0.20 μ g Phospho-TDP43 (Ser403/404) antibody (66079-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.