

Nur für Forschungszwecke

Phospho-TDP43 (Ser409/410) Monoklonaler Antikörper



Katalog-Nr.: 66318-1-Ig **11 Publikationen**

Allgemeine Informationen

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|---|---|--|
| Katalog-Nr.: 66318-1-Ig | GenBank-Zugangsnummer: NM_007375 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 100ul, Konzentration: 1800 µg/ml von 23435 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): 23435 | CloneNo.: 1A2C1 |
| Wirt: Maus | Vollständiger Name: TAR DNA binding protein | Empfohlene Verdünnungen: WB 1:500-1:2000 |
| Isotyp: IgG1 | Berechnete Masse: 43 kDa | |
| | Beobachtete Masse: 45-50 kDa, 35 kDa | |

Anwendungen

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|--|---|
| Geprüfte Anwendungen: WB, ELISA | Positivkontrollen: WB: mit EA behandelte HeLa-Zellen, C6-Zellen, HEK-293-Zellen, humanes Plazenta-Gewebe, Neuro-2a-Zellen |
| In Publikationen genannte Anwendungen: IF, IHC, WB | |
| Getestete Reaktivität: Human, Maus, Ratte | |
| Zitierte Arten: Human, Hund, Maus | |

Hintergrundinformationen

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. For instance, it is reported to regulate alternate splicing of the CTFR gene. In 2006 Neumann et al. found that hyperphosphorylated, ubiquitinated and/or cleaved forms of TDP-43, collectively known as pathological TDP-43, play a major role in the disease mechanisms of ubiquitin-positive, tau- and alpha-synuclein-negative frontotemporal dementia (FTLD-U) and in amyotrophic lateral sclerosis (ALS). 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). 66318-1-Ig is a phospho-dependent monoclonal antibody specifically recognizing phospho-TDP43 (409/410). It does not react with native TDP-43.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------------|-----------|-------------------------|-----------|
| Sadhana Ravikumar | 34689831 | Acta Neuropathol Commun | IHC |
| Yasar Arfat T Kasu | 29987190 | Mol Cell Biol | WB, IF |
| David A Hicks | 31280399 | Neurochem Res | WB |

Lagerung

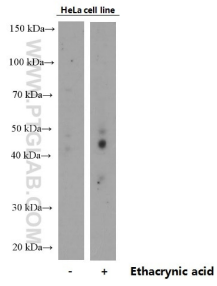
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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



Untreated and EA treated HeLa cells were subjected to SDS PAGE followed by western blot with 66318-1-Ig (Phospho-TDP43 (Ser409/410) Antibody) at dilution of 1:850 incubated at room temperature for 1.5 hours.