Product Datasheet

TDP43 Rabbit mAb

Catalog No: #59416

Package Size: #59416-1 50ul #59416-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	TDP43 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat Zebrafish
Specificity	TDP43 Antibody detects endogenous levels of total TDP43
Immunogen Description	A synthesized peptide derived from human TDP43
Other Names	ALS10; TAR DNA binding protein 43; TARDBP; TDP43;
Accession No.	Uniprot:Q13148
Calculated MW	Predicted band size: 45 kDa
SDS-PAGE MW	Observed band size: 45 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

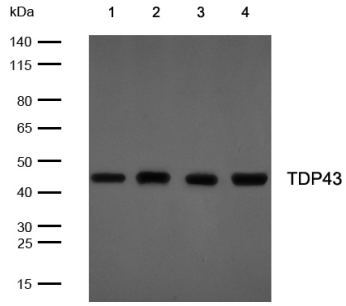
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



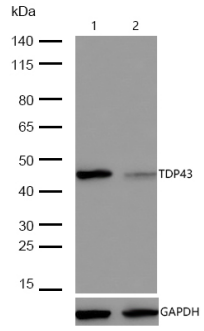
All lanes: TDP43 Rabbit mAb at 1/1k dilution

Lane 1 : K562 whole cell lysates Lane 2 : HepG2 whole cell lysates Lane 3 : Mouse brain lysates Lane 4 : Rat brain lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 45 kDa
Observed band size: 45 kDa

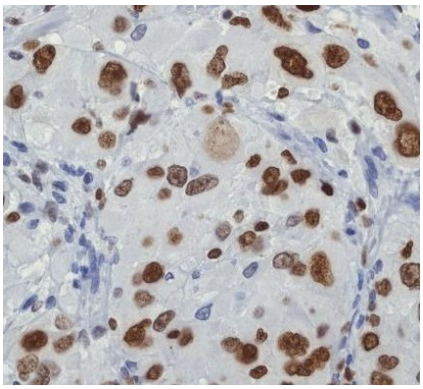
Exposure time: 7 seconds



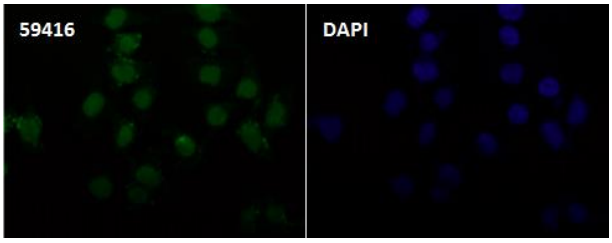
All lanes:TDP43 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 :TDP43 Rabbit mAb knockdown Hela cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human glioma tissue stained for TDP43 using 59416 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence TDP43 antibody (59416) ICC/IF staining of TDP43 in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 59416 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

Background

TDP43 (TAR DNA-binding protein 43) is involved in transcriptional regulation and exon splicing. While normal TDP43 is a nuclear protein, pathological TDP43 is a component of insoluble aggregates in patients with frontotemporal lobar degeneration (FTLD) and amyotrophic lateral sclerosis (ALS).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.