

TDP43 Rabbit mAb

Catalog No: #49487

Package Size: #49487-1 50ul #49487-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

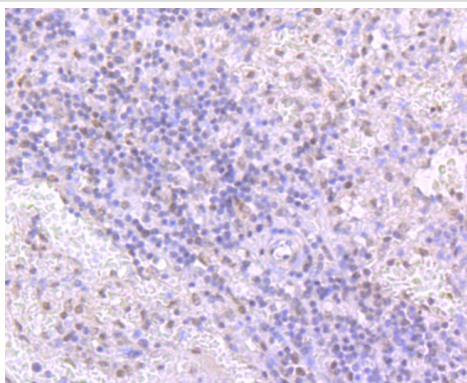
Description

Product Name	TDP43 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM51-10
Purification	ProA affinity purified
Applications	WB, IP, ICC/IF, IHC, FC
Species Reactivity	Human;Mouse;Rat;Zebrafish
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	ALS10 antibody OTTHUMP00000002171 antibody OTTHUMP00000002172 antibody OTTHUMP00000002173 antibody TADBP_HUMAN antibody TAR DNA binding protein 43 antibody TAR DNA binding protein antibody TAR DNA-binding protein 43 antibody TARDBP antibody TDP 43 antibody TDP-43 antibody TDP43 antibody
Accession No.	Swiss-Prot#:Q13148
Calculated MW	45 kDa
SDS-PAGE MW	45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

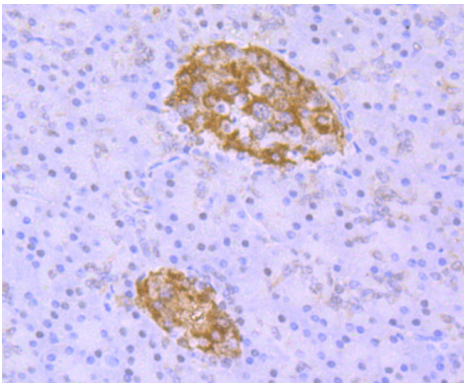
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:100-1:500IP: 1:10-1:50FC: 1:50-1:100

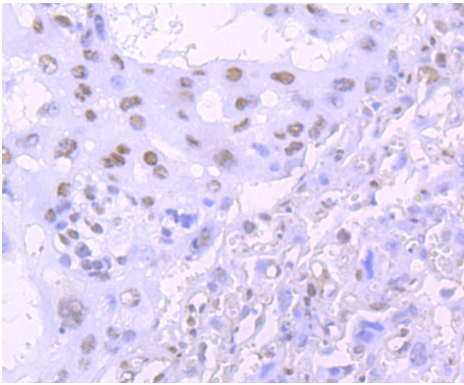
Images



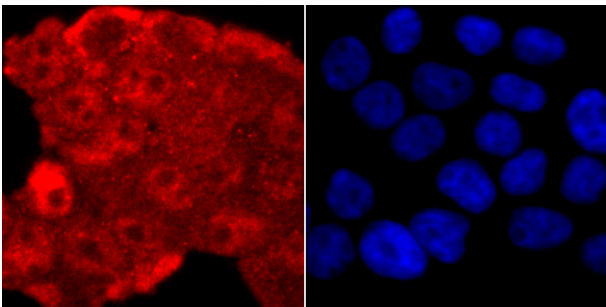
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-TDP43 antibody. Counter stained with hematoxylin.



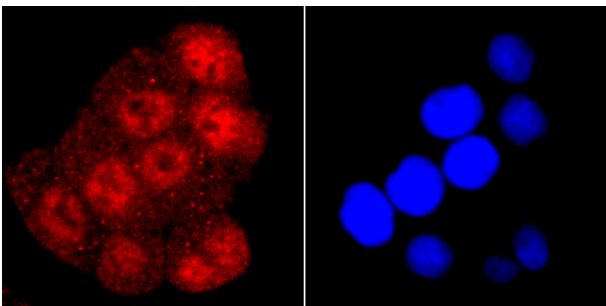
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-TDP43 antibody. Counter stained with hematoxylin.



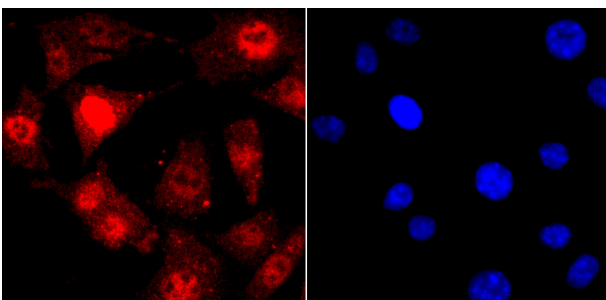
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-TDP43 antibody. Counter stained with hematoxylin.



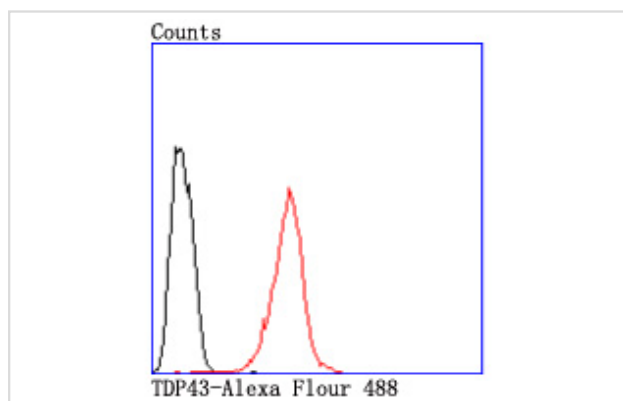
ICC staining TDP43 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



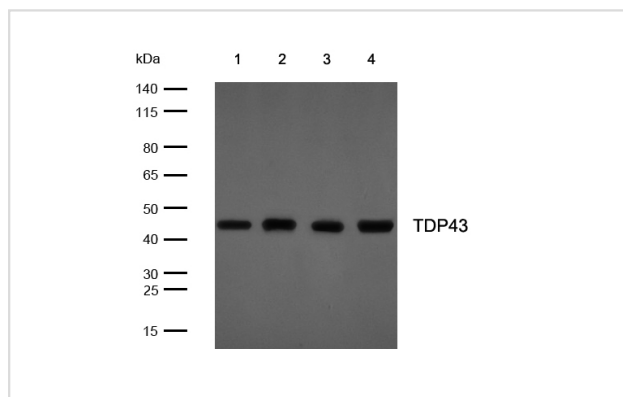
ICC staining TDP43 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



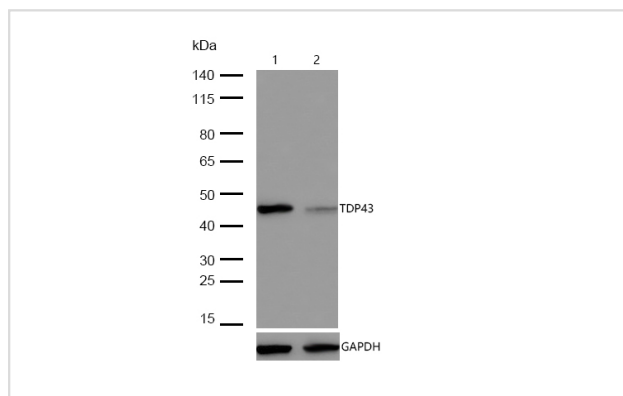
ICC staining TDP43 in SH-SY5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with TDP43 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



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.

Background

DNA and RNA-binding protein which regulates transcription and splicing. Involved in the regulation of CFTR splicing. It promotes CFTR exon 9 skipping by binding to the UG repeated motifs in the polymorphic region near the 3'-splice site of this exon. The resulting aberrant splicing is associated with pathological features typical of cystic fibrosis. May also be involved in microRNA biogenesis, apoptosis and cell division. Can repress HIV-1 transcription by binding to the HIV-1 long terminal repeat. Stabilizes the low molecular weight neurofilament (NFL) mRNA through a direct interaction with the 3' UTR.

References

1. Striibl C et al. Mitochondrial dysfunction and decrease in body weight of a transgenic knock-in mouse model for TDP-43. J Biol Chem 289:10769-84 (2014).
2. Nehls J et al. HIV-1 replication in human immune cells is independent of TAR DNA binding protein 43 (TDP-43) expression. PLoS One 9:e105478 (2014).

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