

FUS/TLS Rabbit mAb

Catalog No: #49300

Package Size: #49300-1 50ul #49300-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

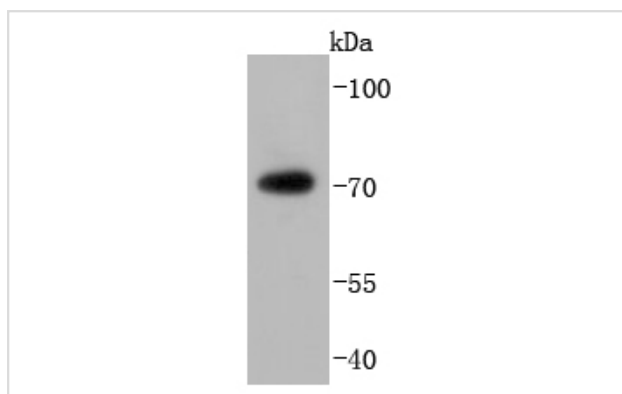
Description

Product Name	FUS/TLS Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ09-31
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	75 kDa DNA pairing protein antibody 75 kDa DNA-pairing protein antibody ALS6 antibody Amyotrophic lateral sclerosis 6 antibody fus antibody FUS CHOP antibody Fus like protein antibody FUS_HUMAN antibody FUS1 antibody Fused in sarcoma antibody Fusion (involved in t(12;16) in malignant liposarcoma) antibody Fusion derived from t(12;16) malignant liposarcoma antibody Fusion gene in myxoid liposarcoma antibody Heterogeneous nuclear ribonucleoprotein P2 antibody hnRNP P2 antibody hnRNPP2 antibody Oncogene FUS antibody Oncogene TLS antibody POMp75 antibody RNA binding protein FUS antibody RNA-binding protein FUS antibody TLS antibody TLS CHOP antibody Translocated in liposarcoma antibody Translocated in liposarcoma protein antibody
Accession No.	Swiss-Prot#:P35637
Uniprot	P35637
GeneID	2521;
Calculated MW	75 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

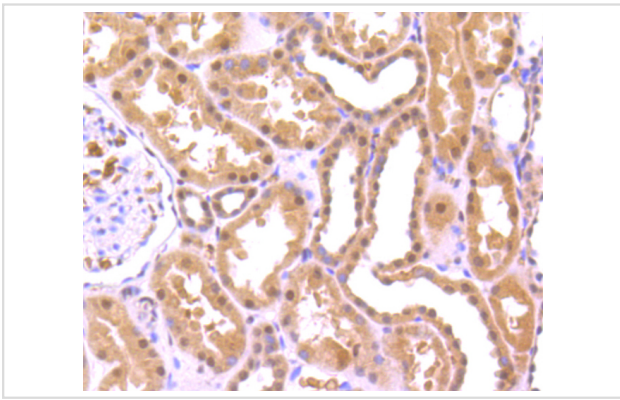
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

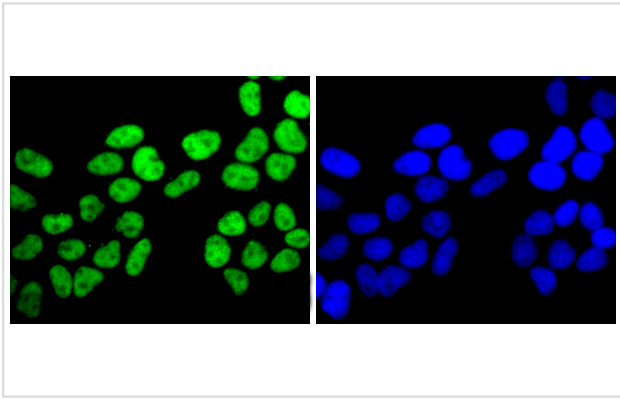
Images



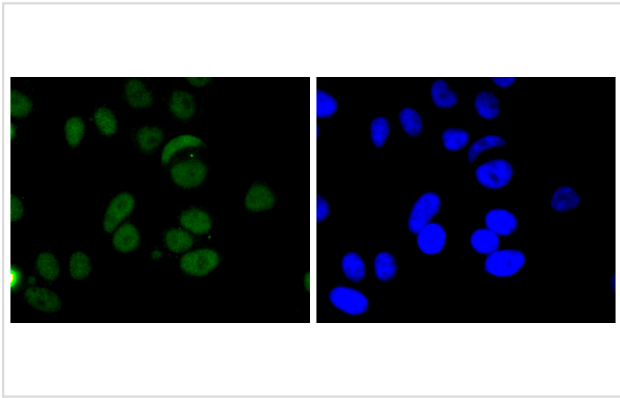
Western blot analysis of FUS/TLS on K562 cells lysates using anti-FUS/TLS antibody at 1/1,000 dilution.



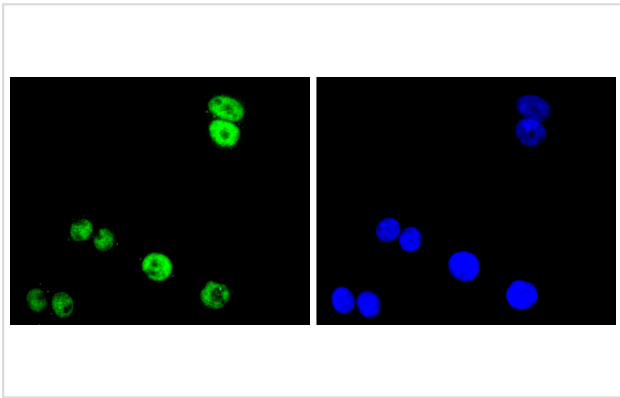
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-FUS/TLS antibody. Counter stained with hematoxylin.



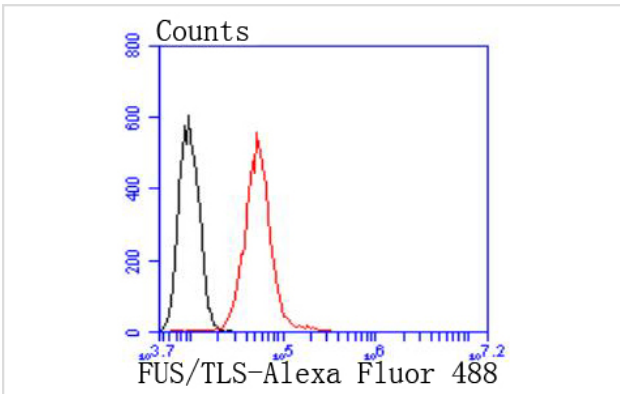
ICC staining FUS/TLS in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining FUS/TLS in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining FUS/TLS in SW480 cells (green). 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 FUS/TLS 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.

Background

EWS and FUS/TLS are nuclear RNA-binding proteins. As a result of chromosome translocation, the EWS gene is fused to a variety of transcription factors, including ATF-1, in human neoplasias. In the Ewing family of tumors, the N-terminal domain of EWS is fused to the DNA-binding domain of various Ets transcription factors, including Fli-1, ETV1 and FEV. The EWS/Fli-1 chimeric protein acts as a more potent transcriptional activator than Fli-1 and can promote cell transformation. In human myxoid liposarcomas and myeloid leukemias, chromosomal translocation results in the fusion of the N-terminal region of FUS/TLS with the open reading frame of CHOP. In normal cells, FUS/TLS binds to the DNA-binding domains of nuclear steroid receptors and is also present in subpopulations of TFIIID complexes, indicating a potential role for FUS/TLS in the processing of primary transcripts that are generated in response to hormone-induced transcription.

References

Note: This product is for in vitro research use only