

Anti-TLS/FUS Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

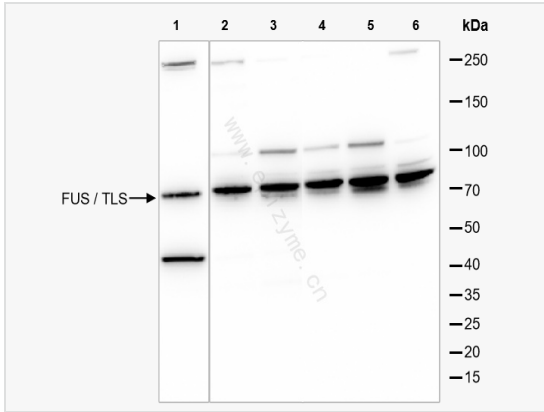
Catalog # R013933

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	62K70I40
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human FUS / TLS
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TLS/FUS Rabbit mAb [62K70I40] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	75 kDa DNA pairing protein, 75 kDa DNA-pairing protein, ALS6, Amyotrophic lateral sclerosis 6, fus, FUS CHOP, Fus like protein, FUS_HUMAN, FUS1, Fused in sarcoma, Fusion (involved in t(12;16) in malignant liposarcoma), Fusion derived from t(12;16) malignant liposarcoma, Fusion gene in myxoid liposarcoma, Heterogeneous nuclear ribonucleoprotein P2, hnRNP P2, hnRNPP2, Oncogene FUS, Oncogene TLS, POMp75, RNA binding protein FUS, RNA-binding protein FUS, TLS, TLS CHOP, Translocated in liposarcoma, Translocated in liposarcoma protein.
Calculated MW	Calculated MW: 53 kDa; Observed MW: 70 kDa
Uniprot ID	P35637
Background	FUS/TLS (fused in sarcoma/translocated in liposarcoma) was initially identified by investigators as a component of fusion proteins found in a variety of cancers such as myxoid liposarcoma, acute myeloid leukemia, and Ewing's tumor.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous.



Western Blot - Anti-TLS/FUS Rabbit mAb [62K70140]

All lanes: R013933 at 1:1,000 dilution

Lane 1: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 2: Rat brain whole tissue lysates

Lane 3: Rat spleen whole tissue lysates

Lane 4: Balb/c Mouse intestines whole tissue lysates

Lane 5: Balb/c Mouse kidney whole tissue lysates

Lane 6: Balb/c Mouse muscle whole tissue lysates

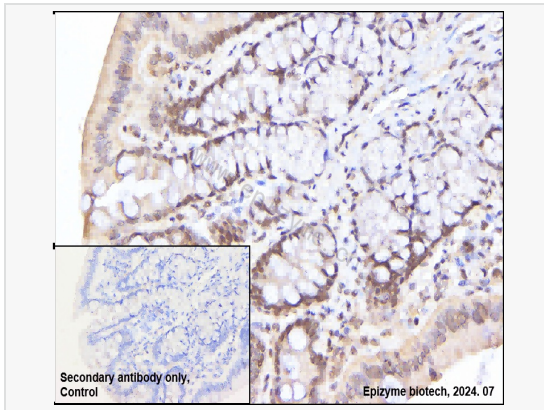
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 53 kDa

Observed band size: 70 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-TLS/FUS Rabbit mAb [62K70140]

Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

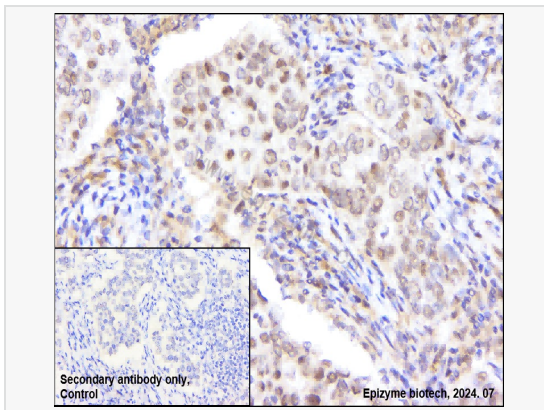
Primary antibody: R013933 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-TLS/FUS Rabbit mAb [62K70140]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

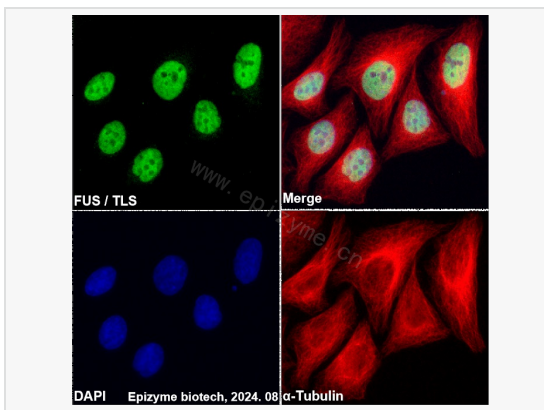
Primary antibody: R013933 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-TLS/FUS Rabbit mAb [62K70140]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013933 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).