

Rabbit anti-Human, Mouse FUS Polyclonal Antibody | anti-FUS antibody

FUS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327478	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

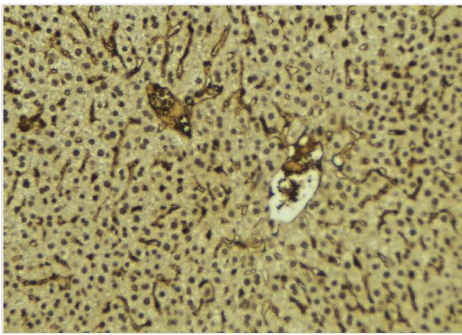
PRODUCT SYNONYMS

FUS; Polyclonal Antibody; FUS Antibody; 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; anti-FUS antibody

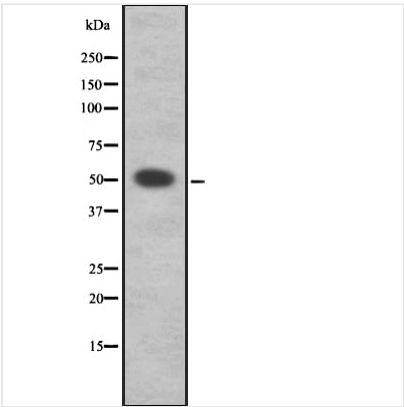
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	FUS antibody detects endogenous levels of total FUS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	525
Applicable Applications for anti-FUS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FUS
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Rabbit (92%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327478 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis FUS using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-FUS antibody	Function: Binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. May play a role in maintenance of genomic integrity. Subunit Structure: Component of nuclear riboprotein complexes. Interacts with ILF3, TDRD3 and SF1. Interacts through its C-terminus with SFRS13A. Interacts with OTUB1 and SARNP. Interacts with LRSAM1 (PubMed:27615052). Post-translational Modifications: Arg-216 and Arg-218 are dimethylated, probably to asymmetric dimethylarginine. Similarity: Belongs to the RRM TET family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	283135201
NCBI GeneID	2521
NCBI Accession #	NP_001164105.1
NCBI GenBank Nucleotide #	NM_001170634.1
UniProt Accession #	P35637; Q9H4A8
Molecular Weight	Observed: 53 kDa Predicted: 54 kDa
NCBI Official Full Name	RNA-binding protein FUS isoform 2
NCBI Official Synonym Full Names	FUS RNA binding protein
NCBI Official Symbol	FUS
NCBI Official Synonym Symbols	TLS; ALS6; ETM4; FUS1; POMP75; HNRNPP2
NCBI Protein Information	RNA-binding protein FUS
UniProt Protein Name	RNA-binding protein FUS
UniProt Gene Name	FUS
UniProt Synonym Gene Names	TLS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.