

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

FUS Antibody

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

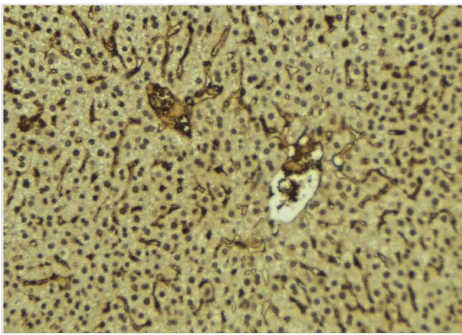
### PRODUCT SYNONYMS

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

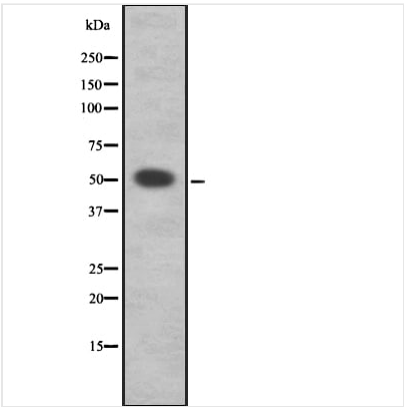
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 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<br>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                    | <b>Pig, Zebrafish, Bovine, Rabbit, Dog, Chicken, Xenopus</b>                                          |
| 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

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-FUS antibody</b> | <p>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.</p> <p>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).</p> <p>Post-translational Modifications: Arg-216 and Arg-218 are dimethylated, probably to asymmetric dimethylarginine.</p> <p>Similarity: Belongs to the RRM TET family.</p> |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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<br>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.