

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

Rabbit anti-FUS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210867	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

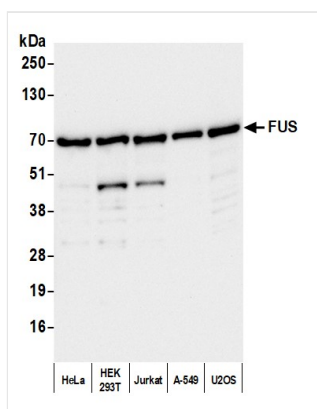
PRODUCT SYNONYMS

FUS; Polyclonal Antibody; Rabbit anti-FUS Antibody; Affinity Purified; TLS; HNRNPP2; oncogene FUS; translocated in liposarcoma protein; oncogene TLS; FUS/ERG chimeric protein; RNA-binding protein FUS; heterogeneous nuclear ribonucleoprotein P2; POMP75; fusion gene in myxoid liposarcoma; fused in sarcoma; FUS/ERG fusion protein; ETM4; ALS6; 75 kDa DNA-pairing protein; fus-like protein; FUS1; FUS RNA binding protein; anti-FUS antibody

PRODUCT SPECIFICATIONS

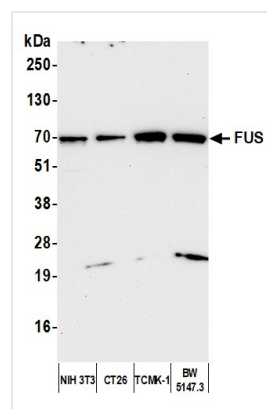
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-FUS antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 450 and 500
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



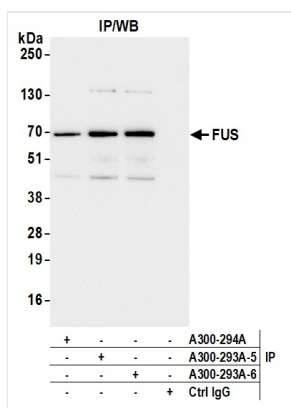
WB (Western Blot)

Detection of human FUS by western blot. Samples: Whole cell lysate (25 ug) prepared using NETN buffer from HeLa, HEK293T, Jurkat, A-549, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FUS antibody (AAA210867 lot 6) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



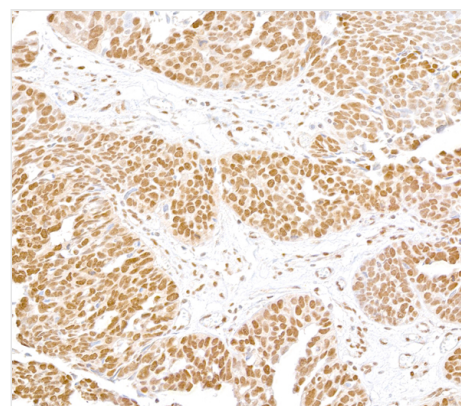
WB (Western Blot)

Detection of mouse FUS by western blot. Samples: Whole cell lysate (10 ug) prepared using NETN buffer from NIH 3T3, CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FUS antibody (AAA210867-6 lot 6) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



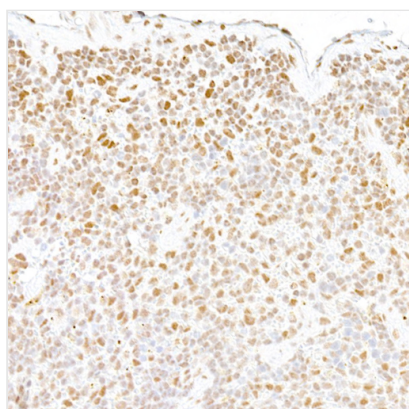
IP (Immunoprecipitation)

Detection of human FUS by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FUS antibody (AAA210867 lot 6) used for IP at 6 ug per reaction. FUS was also immunoprecipitated by a previous lot of this antibody (AAA210867 lot 5) and a second antibody against a different epitope of FUS. For blotting immunoprecipitated FUS, AAA210867 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human FUS by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-FUS (AAA210867 lot 6) used at of 1:5,000 (0.2ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of mouse FUS by immunohistochemistry. Sample: FFPE section of mouse spleen. Antibody: Affinity purified rabbit anti-FUS (AAA210867 lot 6) used at 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-FUS antibody	FUS has been identified as a frequent translocation fusion partner of various transcription factors. FUS fusion genes have been shown to be associated with multiple tumor types which include liposarcoma, leukemia, histiocytoma, and sarcoma. FUS is a multifunctional RNA-binding protein that associates with the nuclear matrix and Cajal bodies and appears to play a role in spliceosome assembly, pre-mRNA splicing, DNA repair, transcriptional regulation and homologous recombination.
Product Categories/Family for anti-FUS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826734
NCBI GeneID	2521
NCBI Accession #	NP_004951.1
NCBI GenBank Nucleotide #	NM_004960.3
UniProt Accession #	P35637 ; Q9H4A8

Molecular Weight	53,355 Da
NCBI Official Full Name	RNA-binding protein FUS isoform 1
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
UniProt Entry Name	FUS_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fus-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210867>