

Rabbit FUS Polyclonal Antibody | anti-FUS antibody

FUS Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28431	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunoprecipitation

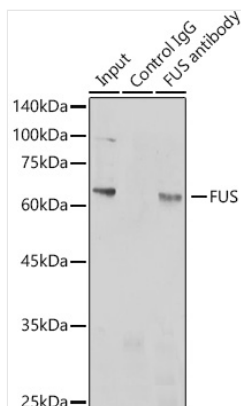
PRODUCT SYNONYMS

FUS; Polyclonal Antibody; FUS Rabbit pAb; ALS6; ETM4; FUS1; HNRNPP2; POMP75; TLS; RNA-binding protein FUS; anti-FUS antibody

PRODUCT SPECIFICATIONS

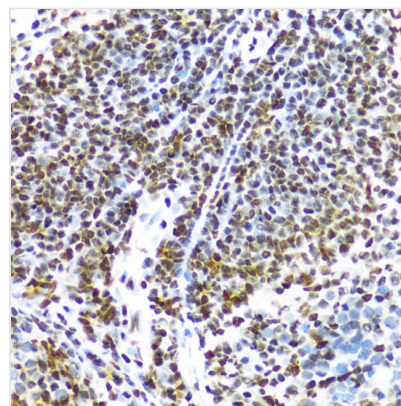
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MTNPKPNKA LKVKKEAGEN APVLSDDDELV SMSVRELNQH LRGLTKEEVT
Applicable Applications for anti-FUS antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IP: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 297-526 of human FUS (NP_004951.1).
Cellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



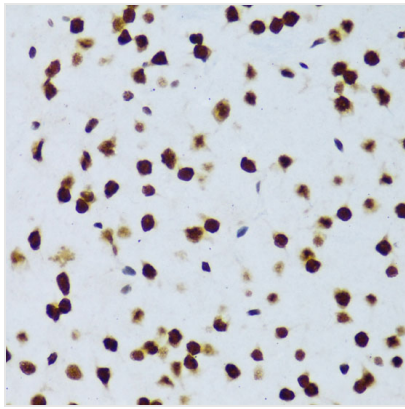
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of Jurkat cells using 3ug FUS antibody. Western blot was performed from the immunoprecipitate using FUS at a dilution of 1:1000.



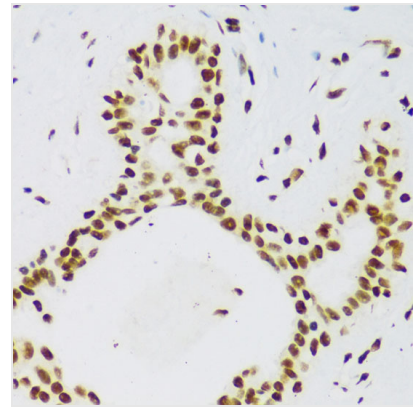
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using FUS antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



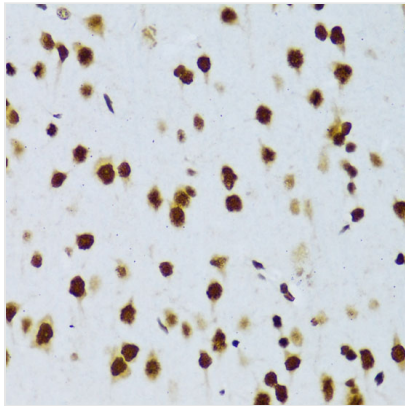
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using FUS antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



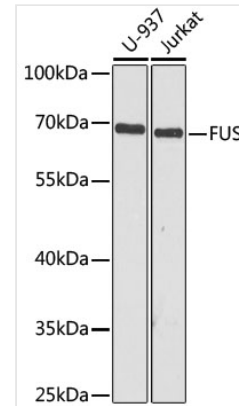
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using FUS antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using FUS antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using FUS antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-FUS antibody	This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6.
Product Categories/Family for anti-FUS antibody	Epigenetics & Nuclear Signaling; Transcription Factors; RNA Binding; Cancer; Signal Transduction; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505075
NCBI GeneID	7975
NCBI Accession #	NP_002351.1
NCBI GenBank Nucleotide #	NM_002360.3
UniProt Accession #	O60675; A4D214
Molecular Weight	17,523 Da

NCBI Official Full Name	transcription factor MafK
NCBI Official Synonym Full Names	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog K
NCBI Official Symbol	MAFK
NCBI Official Synonym Symbols	P18; NFE2U
NCBI Protein Information	transcription factor MafK; basic-leucine zipper transcription factor MafK; erythroid transcription factor NF-E2 p18 subunit; nuclear factor erythroid-2, ubiquitous (p18); v-maf avian musculoaponeurotic fibrosarcoma oncogene family, protein K; v-maf muscul
UniProt Protein Name	Transcription factor MafK
UniProt Gene Name	MAFK
UniProt Entry Name	MAFK_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-western-blot-immunohistochemistry-immunoprecipitation-elisa/28431>