Product Datasheet

FUS Polyclonal Antibody

Catalog No: #30674

Package Size: #30674-1 50ul #30674-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

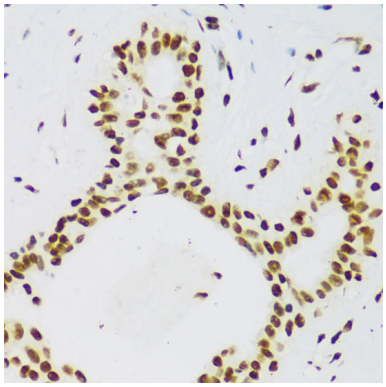
Description

Product Name	FUS Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human FUS (NP_004951.1).
Other Names	FUS; ALS6; ETM4; FUS1; HNRNPP2; POMP75; TLS; RNA-binding protein FUS
Accession No.	Swiss-Prot#:P35637NCBI Gene ID:2521
Uniprot	P35637
GeneID	2521;
Calculated MW	70kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

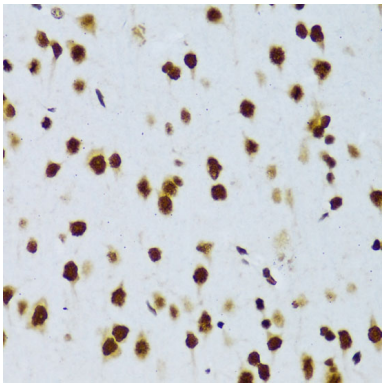
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

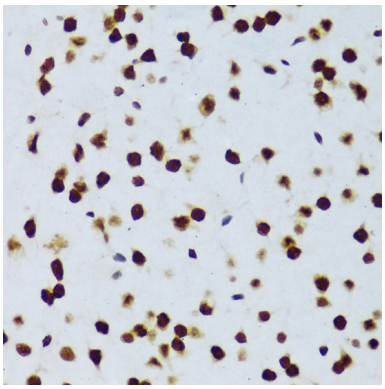
Images



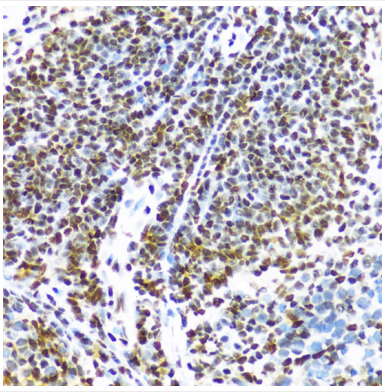
Immunohistochemistry of paraffin-embedded human breast cancer using FUS at dilution of 1:100 (40x lens).



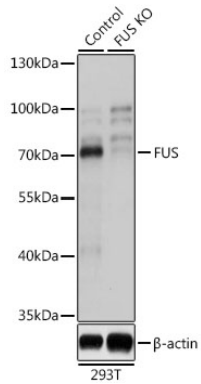
Immunohistochemistry of paraffin-embedded rat brain using FUS at dilution of 1:100 (40x lens).



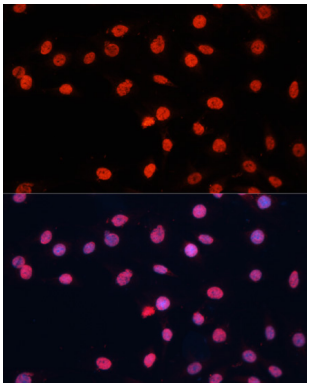
Immunohistochemistry of paraffin-embedded mouse brain using FUS at dilution of 1:100 (40x lens).



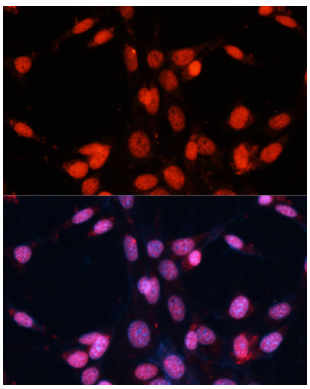
Immunohistochemistry of paraffin-embedded mouse spleen using FUS at dilution of 1:100 (40x lens).



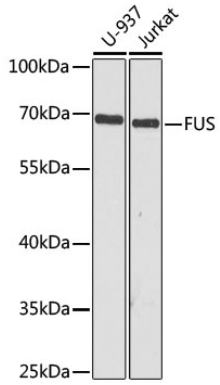
Western blot analysis of extracts from normal (control) and FUS knockout (KO) 293T cells, using FUS at 1:3000 dilution.



Immunofluorescence analysis of C6 cells using FUS at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using FUS at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using FUS at 1:1000 dilution.

Background

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.

Note: This product is for in vitro research use only