

FUS monoclonal antibody, clone CL0190

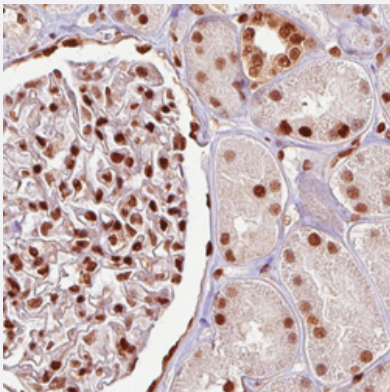
Catalog # MAB15556 Size 100 uL

Applications



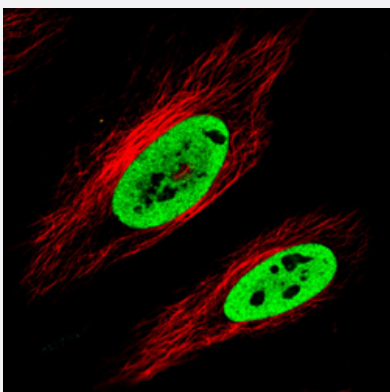
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HeLa, Lane 2: A-431, Lane 3: MCF-7, Lane 4: U2-OS and Lane 5: Hep-G2 cell lysates with FUS monoclonal antibody, clone CL0190 (Cat # MAB15556).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with FUS monoclonal antibody, clone CL0190 (Cat # MAB15556) shows strong nuclear positivity in both renal glomeruli and tubuli.



Immunofluorescence

Immunofluorescent staining of HeLa cells with FUS monoclonal antibody, clone CL0190 (Cat # MAB15556) (Green) shows clear nuclear (without nucleoli). Microtubule and nuclear probes are visualized in red and blue respectively (where available).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human FUS.
Immunogen	Recombinant protein corresponding to human FUS.
Epitope	This antibody binds to an epitope located within the peptide sequence YGGQQQSYGQ as determined by overlapping synthetic peptides.
Sequence	SSQSSYGQQSSYPGYGQQPAPSSTSGSYGSSSQSSSYGQPQSGSYSQQPSYGGQQQSYGQQQ SYNPPQGYGQQNQYNSSSGGGGGGGGGGNYGQDQSSMSSGGGSGGGYGNQDQSGGGGSGG YGQQDR
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — FUS

Entrez GeneID [2521](#)

Protein Accession# [P35637](#)

Gene Name FUS

Gene Alias CHOP, FUS-CHOP, FUS1, TLS, TLS/CHOP, hnRNP-P2

Gene Description fusion (involved in t(12;16) in malignant liposarcoma)

Omim ID [137070](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations FUS-CHOP fusion protein|FUS-CHOP protein fusion|Fusion gene in myxoid liposarcoma|fus-like protein|fus/tls-chop oncogene|heterogeneous nuclear ribonucleoprotein P2|translocated in liposarcoma

Disease

- [Amyotrophic Lateral Sclerosis](#)
- [Azoospermia](#)
- [Cognition Disorders](#)
- [Diabetes Mellitus](#)
- [Frontotemporal Dementia](#)
- [Frontotemporal Lobar Degeneration](#)

- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
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- [Oligospermia](#)
- [Overweight](#)
- [Parkinsonian Disorders](#)
- [Prostate cancer](#)