

Anti-FUS antibody (297-526) (STJ27717)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/IP/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

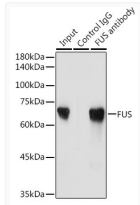
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IF/CC:1:50-1:100 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 53kDa Observed Mw: 70kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

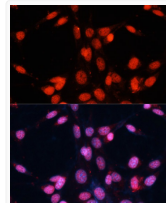
Gene ID	2521
Gene Symbol	FUS
UniProt ID	FUS_HUMAN
Immunogen Region	297-526
Immunogen Sequence	TIESVADYFKQIGIIKTNKK TGQPMINLYTDRETGKLGKE ATVSFDDPPSAKA AIDWFDG KEFSGNPIKVSFATRRADFN RGGGNGRGGRRGGPMGRGG YGGGGSGGGRRGGFSPGGGG GGGQQRAGDWKCPNPTCENM NFSWRNECNQCKAPKPDGPG GGPGGSHMGGNYGDDRRGG GGYDRGGYRGRGDRGGFRG GRGGGDRGGFGPGKMDSRGE HRQDRRERPY
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 297-526 of human FUS (NP_004951.1).

ADDITIONAL INFORMATION

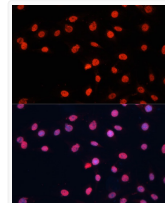
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



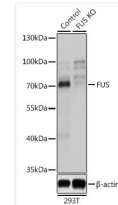
Immunoprecipitation analysis of 300 Mu g extracts of Jurkat cells using 3 Mu g FUS antibody (STJ27717). Western blot was performed from the immunoprecipitate using FUS antibody (STJ27717) at a dilution of 1:2000.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] FUS Rabbit polyclonal antibody (STJ27717) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using [KO Validated] FUS Rabbit polyclonal antibody (STJ27717) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from wild type (WT) and FUS knockout (KO) 293T cells, using [KO Validated] FUS Rabbit polyclonal antibody (STJ27717) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.