

For Research Use Only

# CoraLite®555-conjugated FUS/TLS Polyclonal antibody



Catalog Number:CL555-11570

## Basic Information

<b>Catalog Number:</b> CL555-11570	<b>GenBank Accession Number:</b> BC026062	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2521	<b>Excitation/Emission maxima wavelengths:</b> 557 nm/570 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> fusion (involved in t(12;16) in malignant liposarcoma)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 75 kDa	
<b>Immunogen Catalog Number:</b> AG2150	<b>Observed MW:</b> 68-75 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

FUS (also named TLS and POMp75) belongs to the RRM TET family. FUS may play a role in the maintenance of genomic integrity; it binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. FUS is also an RNA-binding protein, and its links to neurodegenerative disease proffer the intriguing possibility that altered RNA metabolism or RNA processing may underlie or contribute to neuron degeneration[PMID: 22640227]. FUS may be a cause of angiomatoid fibrous histiocytoma (AFH) and is implicated in certain forms of amyotrophic lateral sclerosis (ALS) and frontotemporal dementias (FTDs) such as frontotemporal lobar dementia with ubiquitin inclusions (FTLD-U)[PMID: 22640227]. This antibody is a rabbit polyclonal antibody raised against an internal region of human FUS.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

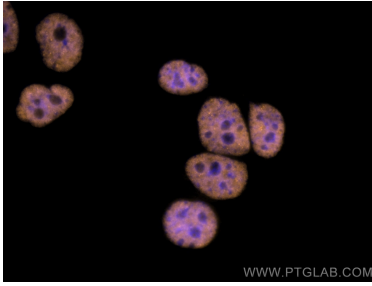
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

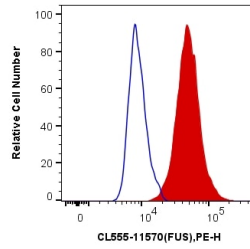
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite@555 FUS/TLS antibody (CL555-11570) at dilution of 1:200.



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug CoraLite@555 Anti-Human FUS/TLS (CL555-11570) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).