Datasheet for ABIN952406

anti-FUS antibody (C-Term)

4 Images

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Overview

Quantity:	0.4 mL
Target:	FUS
Binding Specificity:	AA 506-534, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FUS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 506-534 amino acids from the C-terminal region of human FUS
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse FUS (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	FUS
Alternative Name:	FUS / TLS (FUS Products)

Target Details

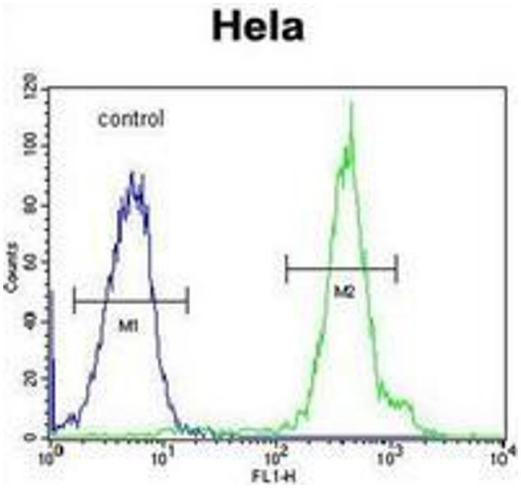
Target Type:	Viral Protein
Background:	This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family 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.Synonyms: 75 kDa DNA-pairing protein, Oncogene FUS, Oncogene TLS, POMp75, RNA-binding protein FUS, Translocated in liposarcoma protein
Molecular Weight:	53426 Da
Gene ID:	2521
NCBI Accession:	NP_001164105

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

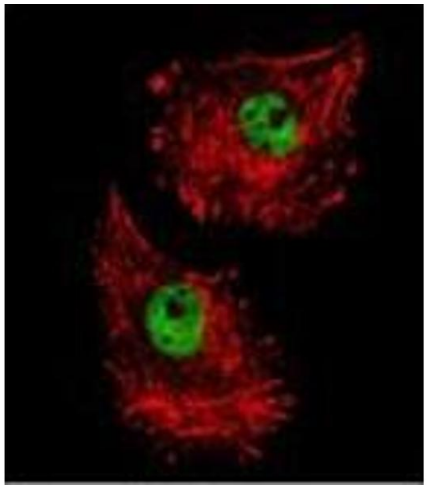
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



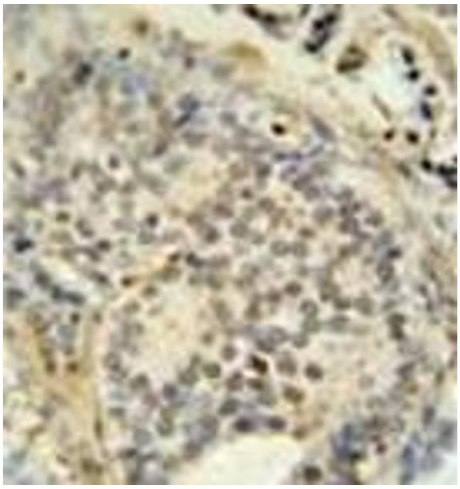
Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using FUS Antibody (C-term) Cat.-No AP51735PU-N (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of FUS Antibody (C-term) Cat.-No AP51735PU-N with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma stained with FUS Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FUS antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 4 images are available for ABIN952406.