

Datasheet for ABIN3031006
anti-FUS antibody (AA 499-526)[Go to Product page](#)

7 Images

Overview

Quantity:	0.4 mL
Target:	FUS
Binding Specificity:	AA 499-526
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FUS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 499-526 from the human protein was used as the immunogen for this FUS antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified

Target Details

Target:	FUS
Alternative Name:	FUS (FUS Products)

Target Details

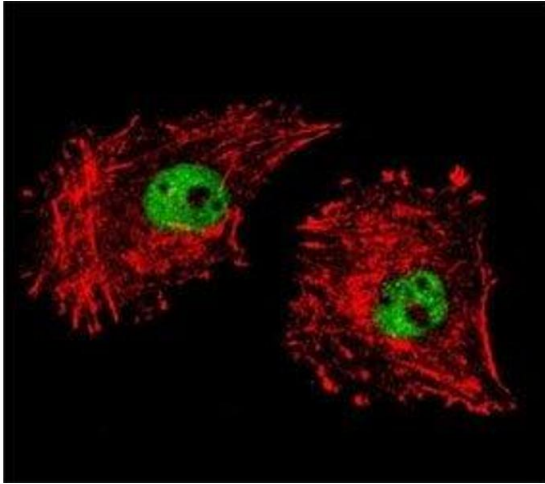
Target Type:	Viral Protein
Background:	<p>This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family 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.</p>
UniProt:	P35637

Application Details

Application Notes:	<p>Titration of the FUS antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50,Immunofluorescence: 1:10-1:50</p>
Restrictions:	For Research Use only

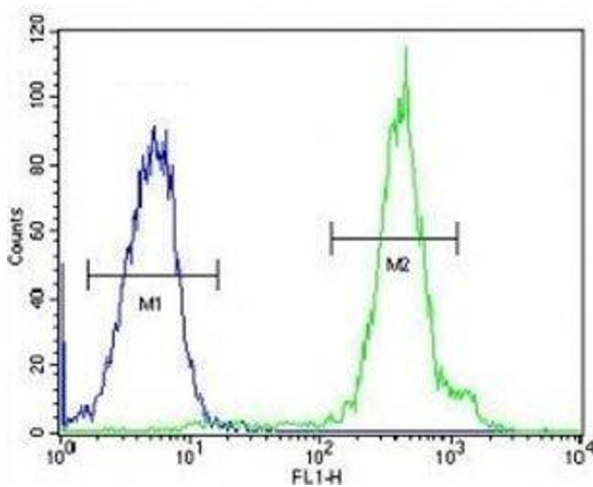
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	<p>This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.</p>
Storage:	-20 °C
Storage Comment:	<p>Aliquot the FUS antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.</p>



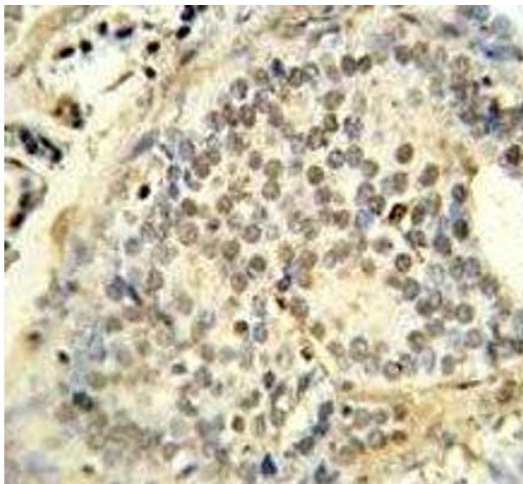
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of FUS antibody with MDA-MB231 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Flow Cytometry

Image 2. FUS antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. FUS antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3031006.