

Mouse anti-Human FUS2 Monoclonal Antibody | anti-FUS2 antibody

FUS2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48058	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

FUS2; Monoclonal Antibody; FUS2 antibody; Protein fusion-2; FuS2; FuS-2; NAT6; FuS 2; N acetyltransferase 6; Protein fus 2; Protein fusion 2.; anti-FUS2 antibody

PRODUCT SPECIFICATIONS

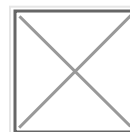
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT2F4
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	308
Applicable Applications for anti-FUS2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant FUS2 (1-308aa) purified from E. coli
Clone Note	Anti-human FUS2 mAb, clone AT2F4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FUS2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of human A549 cells stained with Hoechst 33342 (Blue) and monoclonal anti-human FUS2 antibody (1:500) with Texas Red (red).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FUS2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: NIH3T3 cell lysate Lane 2.: A431 cell lysate

The Cell lysates (1ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FUS2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: FUS2 Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FUS2 antibody	Vertebrate FUS2 genes, which are known to be putative tumor suppressor gene, contain several important domains such as the catalytic N-acetyltransferase (NAT) domain. NAT domain is essential enzymes involved in several sophisticated cellular processes such as N-acetylation, O-acetylatin. NAT enzymes may be involved in susceptibility to cancer including colorectal cancer because of the presence of carcinogenic heterocyclic amines in some cooked foods. FUS2 was physically localized to the cytoplasm. Also, FUS2 showed the actin dependent movement, closely related to the polarization in the budding yeast, Saccharomyces cerevisiae.
Product Categories/Family for anti-FUS2 antibody	Cancer
References	Duh FM, et al., (2004) Mol Cell Probes 18 (1):39-44; Gatphayak K, et al., (2004) Gene 337:105-111; Zegerman P, et al., (2000) Oncogene 19 (1):161-163

NCBI AND UNIPROT INFORMATION

NCBI GI #	46048439
NCBI GeneID	24142
NCBI Accession #	NP_036323
NCBI GenBank Nucleotide #	NM_012191.3
UniProt Accession #	Q93015; Q93014
Molecular Weight	33,831 Da
NCBI Official Full Name	N-acetyltransferase 6 isoform 1
NCBI Official Synonym Full Names	N-acetyltransferase 6
NCBI Official Symbol	NAT6
NCBI Official Synonym Symbols	FUS2; FUS-2
NCBI Protein Information	N-acetyltransferase 6
UniProt Protein Name	N-acetyltransferase 6
UniProt Gene Name	NAT6
UniProt Synonym Gene Names	FUS2; Protein fus-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fus2-antibody-clone-at2f4-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48058>