

Product datasheet for **AM09137PU-S**

FUS2 (NAT6) Mouse Monoclonal Antibody [Clone ID: AT2F4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2F4
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Western blot (1:500 - 1:1,000). Immunofluorescence (1:500 - 1:1,000).
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant FUS2 (1-308 aa) purified from E. coli
Specificity:	The antibody recognizes human and mouse (Western blot) NAT6 (FUS2). Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	N-acetyltransferase 6
Database Link:	Entrez Gene 24142 Human Q93015



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Background:

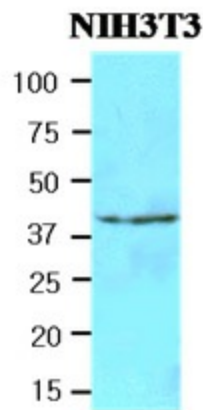
Vertebrate FUS2 genes, which are known to be putative tumor suppressor gene, contain several important domains such as the catalytic N-acetyltransferase (NAT) domain. NAT domain is essential enzymes involved in several sophisticated cellular processes such as N-acetylation, O-acetylating. NAT enzymes 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*.

Synonyms:

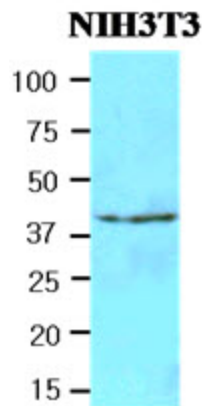
N-acetyltransferase 6, FUS-, Protein fusion-2

Protein Pathways:

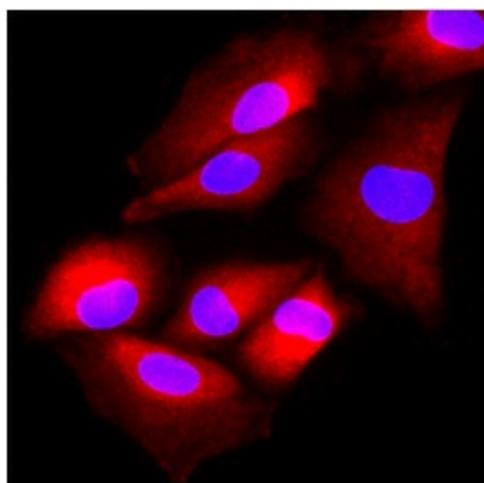
Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism

Product images:


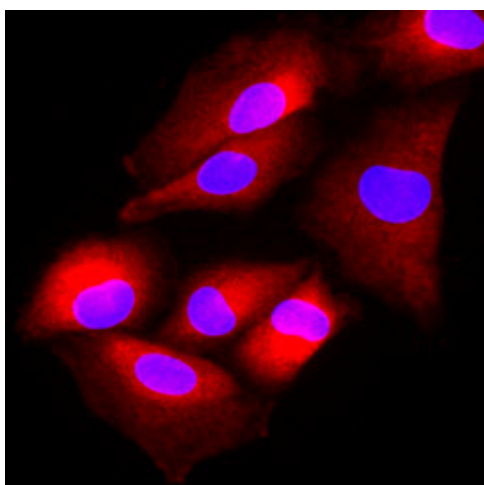
Cell lysates of NIH3T3 (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FUS2 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: Cell lysates of NIH3T3 (40 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FUS2 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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



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