

DATASHEET

c-FER Mouse Monoclonal Antibody(C3856)

CAT. NO. AMA03468

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------|
| Target | c-FER | Source / Host | Mouse |
| Reactivity | Mouse | Clonality | Monoclonal |
| Applications | WB, IF/ICC, FC | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

The protein encoded by this gene is a member of the FPS/FES family of non-transmembrane receptor tyrosine kinases. It regulates cell-cell adhesion and mediates signaling from the cell surface to the cytoskeleton via growth factor receptors. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome X.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:2000 |
| IF/ICC | 1:10 - 1:50 |
| FC | 1:10 - 1:50 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Mouse monoclonal antibody to c-FER |
| Specificity | Recognizes endogenous levels of c-FER protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human c-FER. The exact sequence is proprietary. |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 94 kD; Observed: 100 kD |
| Form/Buffer | Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | TYK3; Tyrosine-protein kinase Fer; Feline encephalitis virus-related kinase FER; Fujinami poultry sarcoma/Feline sarcoma-related protein Fer; Proto-oncogene c-Fer; Tyrosine kinase 3; p94-Fer |
| Gene Symbol | FER |
| Entrez Gene | 14158(Mouse) |
| SwissProt | P70451(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

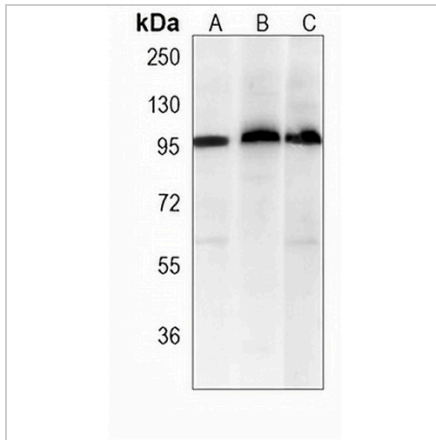
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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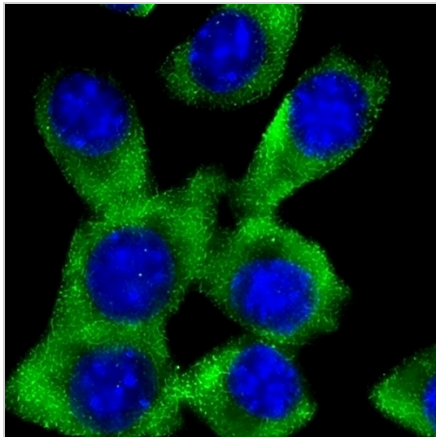
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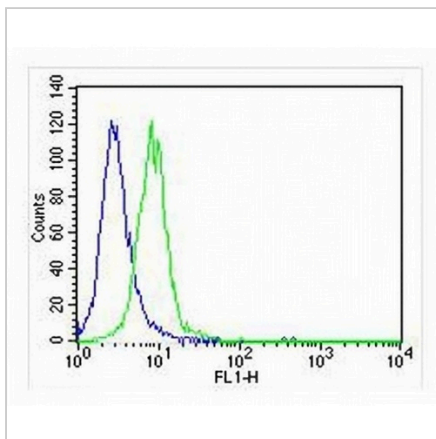
DATA



Western blot analysis of c-FER expression in NIH3T3 (A), mouse testis (B), mouse liver (C) whole cell lysates. (Predicted band size: 94 kD; Observed band size: 100 kD)



Immunofluorescent analysis of c-FER staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of NIH3T3 cells using Anti-c-FER Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.