FER Mouse Monoclonal Antibody

E10-20152

Background: FER (fer tyrosine kinase) is a member of the FPS/FES family of nontransmembrane receptor tyrosine kinases, which shares a functional domain and is involved in signaling pathways through receptor tyrosine kinases (RTK) and cytokine receptors. The Fes /Fps family is distinct from c-Src, c-Abl and related nRTKs and was originally distinguished as a homolog to retroviral oncoproteins. In vivo, Fer kinase assembles into homotrimers via conserved coiled-coil domains. The N-terminal coiled-coil domains of Fer can autophosphorylate in trans, thereby regulating their cellular function through differential phosphorylation states. Growth factor exposure can induce tyrosine phosphorylation of Fer and recruitment of Fer to RTK complexes containing p85. It is expressed predominantly in mature hematopoietic cells of the granulocytic and monocytic lineage, and has been shown to be expressed in vascular endothelial cells. Fer is implicated in insulin signaling, cell-cell signaling, human prostatic proliferative diseases, and is involved in the regulation of G1 progression.

Catalog Number: E10-20152

Amount: 100µg/100µl

Clone Number: 5D2C4

Species: Mouse IgG1

MW; 95kDa

Aliases: TYK3; FER

Entrez Gene: 2241

Immunogen: Purified recombinant fragment of human FER expressed in E. Coli.

Storage: Store at 4 °C for 1 month, -20 °C long term storage, store at

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse

Tested Applications: WB, IHC,IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000,IHC.1/200 - 1/1000,IF.1/200 - 1/1000, ELISA. Propose dilution 1/10000.

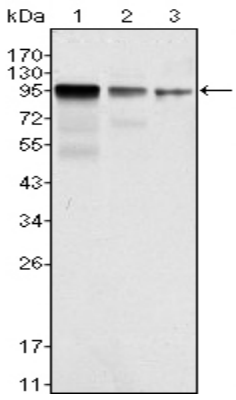

Figure 1. Western blot analysis using FER mouse mAb against NIH/3T3 (1), A549 (2) and SK-MEL-5 (3) cell lysate.

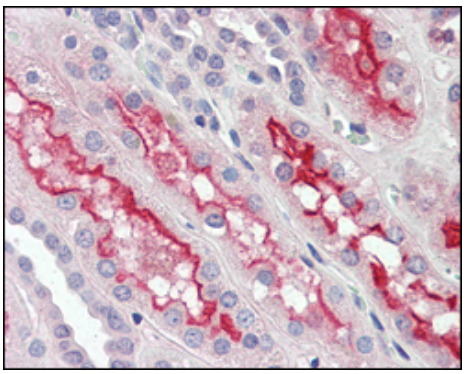

Figure 2. Immunohistochemical analysis of paraffin-embedded human kidney tissues using FER mouse mAb.

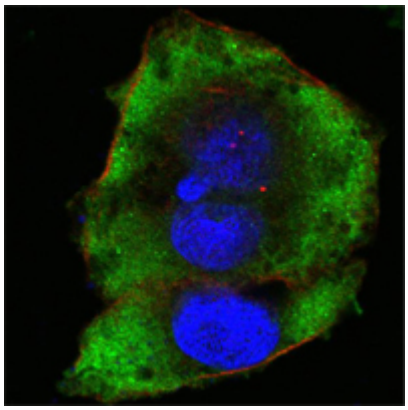

Figure 3. Confocal immunofluorescence analysis of Hela cells using FER mouse mAb (green). Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue. DRAQ5 fluorescent DNA dye.

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