

FER monoclonal antibody

Catalog: MB21129

Host: Mouse

Reactivity: Human, Mouse

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.

Product:

Ascitic fluid containing 0.03% sodium azide.

Molecular Weight:

95kDa

Swiss-Prot:

P16591

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

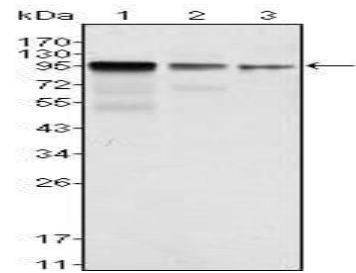
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

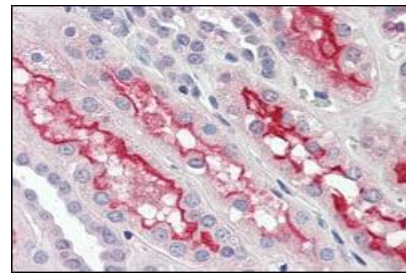
Isotype:

Mouse IgG1

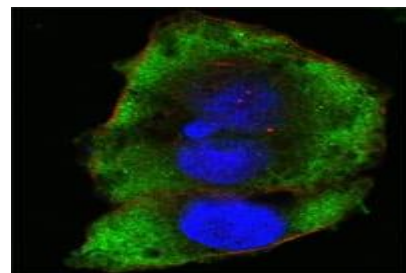
DATA:



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



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



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.

Note:

For research use only, not for use in diagnostic procedure.

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PRODUCT DATA SHEET

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