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Product datasheet for AM06187SU-N

FER Mouse Monoclonal Antibody [Clone ID: 5D2C4]

Product data:

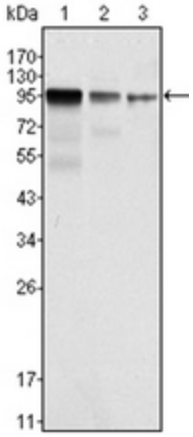
Product Type:	Primary Antibodies
Clone Name:	5D2C4
Applications:	IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Bloting:** 1/500 - 1/2000. **Immunofluorescence:** 1/200 - 1/1000. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human FER expressed in E. Coli.
Specificity:	Recognizes FER (fer tyrosine kinase).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	95 kDa
Gene Name:	FER tyrosine kinase
Database Link:	Entrez Gene 2241 Human P16591

View online »

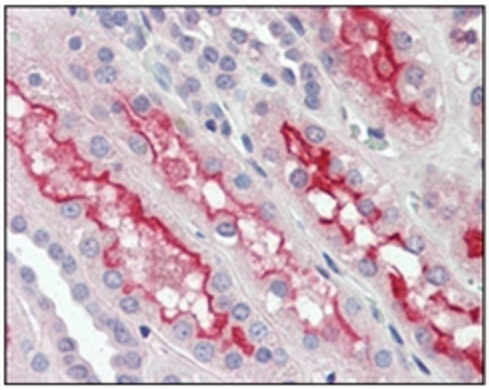
Background: FER (fer tyrosine kinase) is a member of the FPS/FES family of nontransmembrane receptor tyrosine kinases, which shares a functional domain and is involved in signaling pathways through receptor tyrosine kinases (RTK) and cytokine receptors. The Fes /Fps family is distinct from c-Src, c-Abl 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.

Synonyms: c-FER, p94-FER, Tyrosine kinase 3

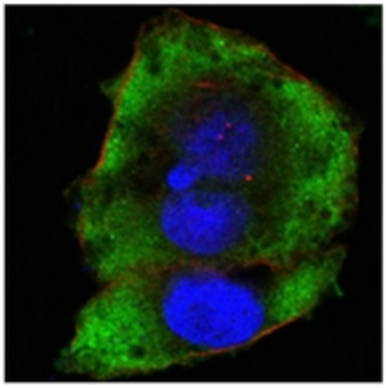
Product images:



Western blot analysis using FER antibody Cat.-No AM06187SU-N against NIH/3T3 (1), A549 (2) and SK-MEL-5 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded human kidney tissues using FER antibody Cat.-No AM06187SU-N



Confocal immunofluorescence analysis of Hela cells using FER antibody Cat.-No AM06187SU-N (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.