

Mouse anti-Human, Mouse FER Antibody | anti-FER antibody

FER Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108425	Mouse	Human, Mouse	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

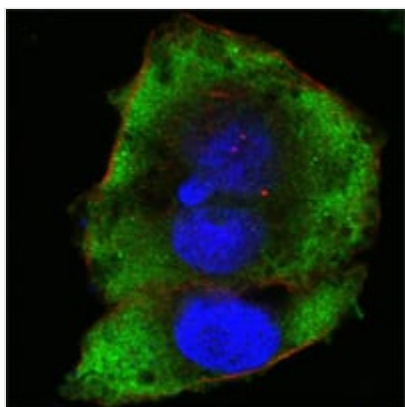
PRODUCT SYNONYMS

FER; FER Antibody; TYK3; anti-FER antibody

PRODUCT SPECIFICATIONS

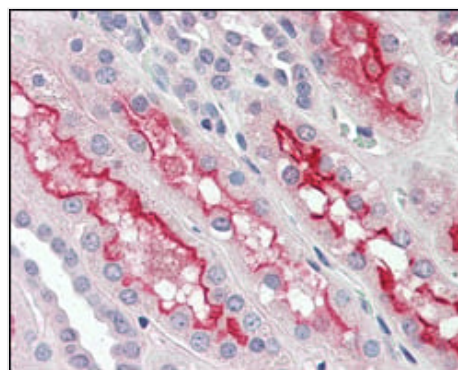
Host	Mouse
Reactivity	Human, Mouse
Isotype	IgG1
Clone Number	5D2C4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	822
Applicable Applications for anti-FER antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human FER expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



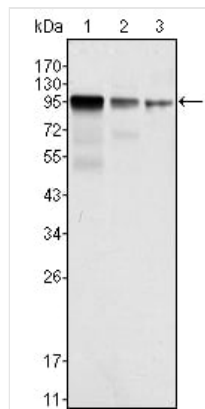
IF (Immunofluorescence)

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. DAPI fluorescent DNA dye.



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-FER antibody	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 Categories/Family for anti-FER antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	119964721
NCBI GeneID	2241
NCBI Accession #	NP_005237.2
NCBI GenBank Nucleotide #	NM_005246.3
UniProt Accession #	P16591 ; B2RCR4 ; B4DSQ2 ; H2FLB8
Molecular Weight	95kDa
NCBI Official Full Name	tyrosine-protein kinase Fer isoform a
NCBI Official Synonym Full Names	FER tyrosine kinase
NCBI Official Symbol	FER
NCBI Official Synonym Symbols	TYK3; PPP1R74; p94-Fer
NCBI Protein Information	tyrosine-protein kinase Fer
UniProt Protein Name	Tyrosine-protein kinase Fer
UniProt Gene Name	FER
UniProt Synonym Gene Names	TYK3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-mouse-antibody/fer/108425>