

## Fer (phospho Tyr402) Polyclonal Antibody

Catalog No: YP0783

**Reactivity:** Human; Mouse

**Applications:** WB;IHC;IF;ELISA

Target: FER

**Fields:** >>Adherens junction

Gene Name: FER

**Protein Name:** Tyrosine-protein kinase Fer

Human Gene Id: 2241

**Human Swiss Prot** 

P16591

P70451

No:

Mouse Gene Id: 14158

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

FER around the phosphorylation site of Tyr402. AA range:371-420

**Specificity:** Phospho-Fer (Y402) Polyclonal Antibody detects endogenous levels of Fer

protein only when phosphorylated at Y402.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 85kD

**Cell Pathway:** Adherens\_Junction;

**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. [provided by RefSeq, Apr

2015],

**Function :** catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine

phosphate.,function:Tyrosine kinase of the non-receptor type. Probably performs an important function, perhaps in regulatory processes such as cell cycle control.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Fes/fps subfamily.,similarity:Contains 1 FCH domain.,similarity:Contains 1

protein kinase domain., similarity: Contains 1 SH2 domain., subcellular

location: Associated with the chromatin., tissue specificity: Expressed in a variety of

lymphoid cell lines.,

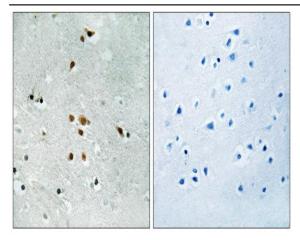
Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection. Cell junction. Membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Cytoplasm, cell cortex. Associated with the chromatin. Detected on microtubules in polarized and motile vascular endothelial cells. Colocalizes with F-actin at the cell cortex. Colocalizes with PECAM1 and CTNND1 at nascent cell-cell contacts.

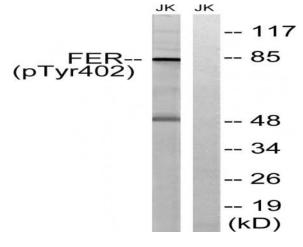
**Expression:** 

Isoform 1 is detected in normal colon and in fibroblasts (at protein level). Isoform 3 is detected in normal testis, in colon carcinoma-derived metastases in lung, liver and ovary, and in colon carcinoma and hepato carcinoma cell lines (at protein level). Isoform 3 is not detected in normal colon or in normal fibroblasts (at protein level). Widely expressed.

## **Products Images**



Immunohistochemistry analysis of paraffin-embedded human brain, using FER (Phospho-Tyr402) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with starved 24h, using FER (Phospho-Tyr402) Antibody. The lane on the right is blocked with the phospho peptide.