FER Antibody / FPS/FES-Related tyrosine kinase (RQ7078)

Catalog No.	Formulation	Size
RQ7078	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P16591
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This FER antibody is available for research use only.



Western blot testing of 1) human MCF7, 2) human HeLa, 3) human A549, 4) rat RH35 and 5) mouse NIH 3T3 cell lysate with FER antibody. Predicted molecular weight: ~95 kDa.

Description

FER (FPS/FES-Related tyrosine kinase) also known as TYK3, is an enzyme that in humans is encoded by the FER gene. Fer protein is a member of the FPS/FES family of non-transmembrane receptor tyrosine kinases. By in situ hybridization, Morris et al.(1990) concluded that the FER gene is located at 5q21-q22. Treatment of cells with JMP resulted in the release of FER from the cadherin complex and its accumulation in the integrin complex. The accumulation of FER in the integrin complex and the inhibitory effects of JMP could be reversed with a peptide that mimics the first coiled-coil domain of FER. The results suggested that FER mediates crosstalk between CDH2 and ITGB1. In Fer mutant mice, leukocyte

emigration was exaggerated in response to LPS without altering vascular permeability, suggesting that FER has a role in regulating innate immunity.

Application Notes

Optimal dilution of the FER antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-R804) was used as the immunogen for the FER antibody.

Storage

After reconstitution, the FER antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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