

## Anti-Tyrosine-protein kinase Fer FER Antibody Picoband® Cy3 Conjugated

Catalog Number: PA1882-Cy3

### About FER

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 nontransmembrane 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.

### Overview

Product Name	Anti-Tyrosine-protein kinase Fer FER Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P16591

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FER, different from the related rat and mouse sequences by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3

	Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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