

Anti-Tyrosine-protein kinase Fer FER Antibody

Catalog Number: PA1882

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

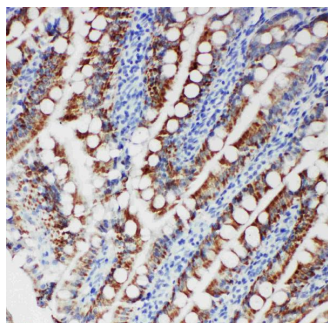
Product Name	Anti-Tyrosine-protein kinase Fer FER Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-Tyrosine-protein kinase Fer FER Antibody catalog # PA1882. Tested in IHC, WB applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P16591

Technical Details

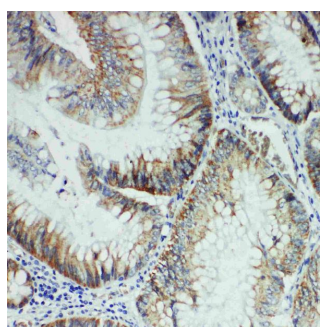
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FER, different from the related rat and mouse sequences by two amino acids.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, By Heat Western blot, 0.1-0.5ug/ml, Human, Rat

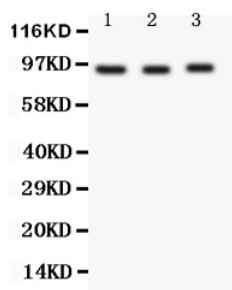
Anti-Tyrosine-protein kinase Fer FER Antibody (PA1882) Images



Anti-FER antibody, PA1882, IHC(P)
IHC(P): Human Intestinal Cancer Tissue



Anti-FER antibody, PA1882, IHC(P)
IHC(P): Rat Intestine Tissue



Anti-FER antibody, PA1882, Western blotting
All lanes: Anti FER (PA1882) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: Rat Testis Tissue Lysate at 50ug
Lane 3: Rat Ovary Tissue Lysate at 50ug
Predicted bind size: 95KD
Observed bind size: 95KD

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