



[Go to Product page](#)

Datasheet for ABIN3044101  
**anti-FER antibody (Middle Region)**

3 Images

Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | FER  |
| Binding Specificity: | AA 521-536, Middle Region  |
| Reactivity:          | Human, Rat   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

|                             |  |
|-----------------------------|--|
| Purpose:                    | Rabbit IgG polyclonal antibody for Tyrosine-protein kinase Fer(FER) detection. Tested with WB, IHC-P in Human,Rat.   |
| Immunogen:                  | A synthetic peptide corresponding to a sequence in the middle region of human FER(521-536aa FSNIPQLIDHHYTTKQ), different from the related rat and mouse sequences by two amino acids.                              |
| Sequence:                   | FSNIPQLIDH HYTTKQ  |
| Isotype:                    | IgG  |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.   |
| Characteristics:            | Rabbit IgG polyclonal antibody for Tyrosine-protein kinase Fer(FER) detection. Tested with WB, IHC-P in Human,Rat.<br>Gene Name: fer(fps/fes related) tyrosine kinase<br>Protein Name: Tyrosine-protein kinase Fer |
| Purification:               | Immunogen affinity purified.   |

## Target Details

---

Target: FER

Alternative Name: FER ([FER Products](#))

Background: 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.

Synonyms: c FER antibody|Fer(fps/fes related) tyrosine kinase(phosphoprotein NCP94) antibody|Fer(fps/fes related) tyrosine kinase antibody|FER antibody|FER\_HUMAN antibody|p94 FER antibody|p94-FER antibody|Phosphoprotein NCP94 antibody|Proto oncogene tyrosine protein kinase FER antibody|Proto-oncogene c-Fer antibody|TYK3 antibody|Tyrosine kinase 3 antibody|Tyrosine-protein kinase Fer antibody

UniProt: [P16591](#)

## Application Details

---

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for FER is approximately 5 ng/lane under reducing conditions.  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.

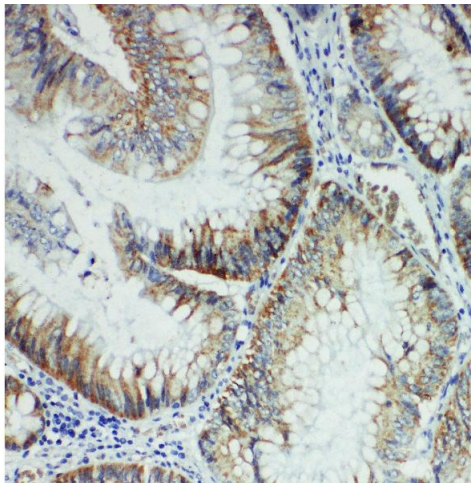
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

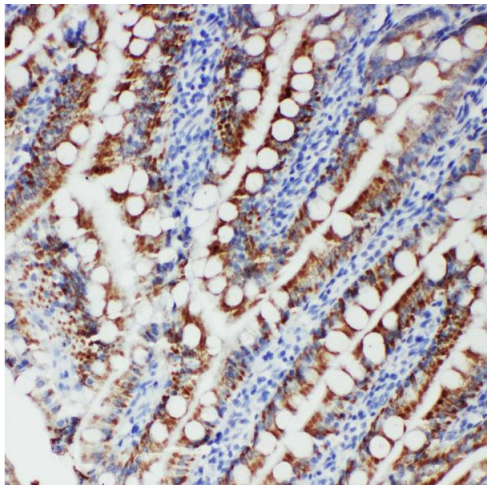
|                    |   |
|--------------------|---|
| Format:            | Lyophilized   |
| Reconstitution:    | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.  |
| Concentration:     | 500 µg/mL   |
| Buffer:            | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.   |
| Preservative:      | Thimerosal (Merthiolate), Sodium azide  |
| Precaution of Use: | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.                                  |
| Handling Advice:   | Avoid repeated freezing and thawing.  |
| Storage:           | 4 °C/-20 °C   |
| Storage Comment:   | At -20°C for one year. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| Expiry Date:       | 12 months   |

## Images



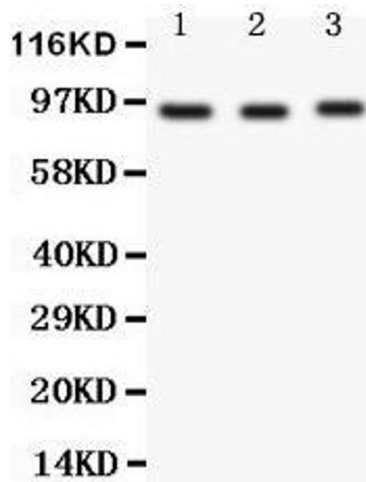
### Immunohistochemistry

**Image 1.** Anti-FER antibody, IHC(P) IHC(P): Rat Intestine Tissue



### Immunohistochemistry

**Image 2.** Anti-FER antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue



### Western Blotting

**Image 3.** Anti-FER antibody, Western blotting All lanes: Anti FER 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