

## Anti-FN3K Antibody Picoband®

Catalog Number: A10432-1

### About FN3K

A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way, fructosamines, are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of fructosamines which may result in deglycation.

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### Overview

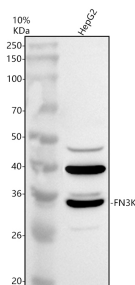
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-FN3K Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactive Species     | Human                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description          | Boster Bio Anti-FN3K Antibody Picoband® catalog # A10432-1. Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application          | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                        |
| Storage Instructions | 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 freezing and thawing.                                                                                                                                                                                                                |
| Host                 | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                           |
| Uniprot ID           | Q9H479                                                                                                                                                                                                                                                                                                                                                                                                           |

### Technical Details

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Immunogen     | E.coli-derived human FN3K recombinant protein (Position: K41-K199).       |
| Form          | Lyophilized                                                               |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Purification        | Immunogen affinity purified.                                |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Human<br>ELISA, 0.1-0.5 ug/ml |

## Anti-FN3K Antibody Picoband® (A10432-1) Images



Western blot analysis of FN3K using anti-FN3K antibody (A10432-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FN3K antigen affinity purified polyclonal antibody (A10432-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for FN3K at approximately 35 kDa. The expected band size for FN3K is at 35 kDa.

### Anti-FN3K Antibody

For Research Use Only. Not for use in diagnostic procedures.