

## Anti-SPINK5 Antibody Picoband®

Catalog Number: A03254-2

### About SPINK5

Enables peptidase inhibitor activity. Acts upstream of or within negative regulation of serine-type peptidase activity and regulation of cell adhesion. Predicted to be located in several cellular components, including endoplasmic reticulum membrane; epidermal lamellar body; and perinuclear region of cytoplasm. Predicted to be active in extracellular region. Is expressed in back skin. Used to study Netherton syndrome. Human ortholog(s) of this gene implicated in Netherton syndrome. Orthologous to human SPINK5 (serine peptidase inhibitor Kazal type 5).

### Overview

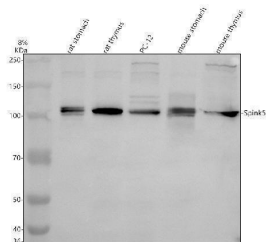
Product Name	Anti-SPINK5 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-SPINK5 Antibody Picoband® catalog # A03254-2. Tested in WB, ELISA applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	Q5K5D4

### Technical Details

Immunogen	E.coli-derived mouse SPINK5 recombinant protein (Position: H191-N506). Mouse SPINK5 shares 59.8% amino acid (aa) sequence identity with human SPINK5.
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, Mouse, Rat ELISA, 0.1-0.5 ug/ml



## Anti-SPINK5 Antibody Picoband® (A03254-2) Images



Western blot analysis of SPINK5 using anti-SPINK5 antibody (A03254-2). Electrophoresis was performed on a 8% 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: rat stomach tissue lysates, Lane 2: rat thymus tissue lysates, Lane 3: rat PC-12 whole cell lysates, Lane 4: mouse stomach tissue lysates, Lane 5: mouse thymus tissue 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-SPINK5 antigen affinity purified polyclonal antibody (A03254-2) 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 SPINK5 at approximately 120 kDa. The expected band size for SPINK5 is at 121 kDa.

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### Anti-SPINK5 Antibody

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