BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Loricrin/LOR Antibody Picoband®

Catalog Number: A05290-1

About LOR

Loricrin is a protein that in humans is encoded by the LOR gene. It is mapped to 1q21.3. Loricrin is a major protein component of the cornified cell envelope found in terminally differentiatedepidermal cells. It is expressed in the granular layer of all keratinized epithelial cells of mammals tested including oral, esophageal and stomach mucosa of rodents, tracheal squamous metaplasia of vitamin A deficient hamster and estrogen induced squamous vaginal epithelium of rats.

Overview

Product Name	Anti-Loricrin/LOR Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Loricrin/LOR Antibody Picoband® catalog # A05290-1. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, 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, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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	P23490

Technical Details

Immunogen	E.coli-derived human Loricrin/LOR recombinant protein (Position: M1-K312).
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.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml ELISA, 0.1-0.5ug/ml

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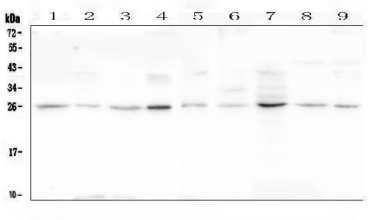
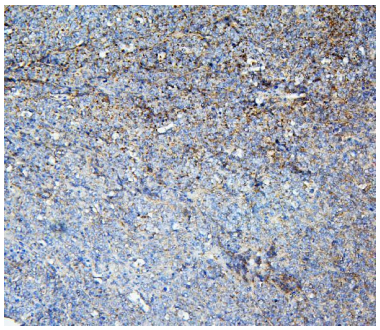
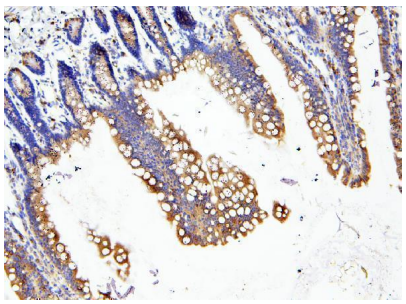
Anti-Loricrin/LOR Antibody Picoband® (A05290-1) Images



Western blot analysis of LOR using anti-LOR antibody (A05290-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human U-87MG whole cell lysatesLane 2: human K562 whole cell lysatesLane 3: human U-937 whole cell lysatesLane 4: human THP-1 whole cell lysatesLane 5: rat heart tissue lysatesLane 6: rat small intestine tissue lysatesLane 7: mouse heart tissue lysatesLane 8: mouse small intestine tissue lysatesLane 9: mouse Neuro-2a whole cell lysates After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-LOR antigen affinity purified polyclonal antibody (Catalog # A05290-1) 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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for LOR at approximately 26KD. The expected band size for LOR is at 26KD.



IHC analysis of LOR using anti-LOR antibody (A05290-1).LOR was detected in paraffin-embedded section of human sarcoma tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-LOR Antibody (A05290-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



IHC analysis of LOR using anti-LOR antibody (A05290-1).LOR was detected in paraffin-embedded section of rat small intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-LOR Antibody (A05290-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

IHC analysis of LOR using anti-LOR antibody (A05290-1).LOR was detected in paraffin-embedded section of mouse small intestine tissues. Heat mediated antigen retrieval was

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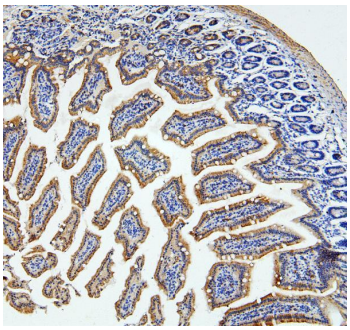

performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-LOR Antibody (A05290-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 32231102, Lee CW,Su YH,Chiang YC,Lee IT,Li SY,Lee HC,Hsu LF,Yan YL,Li HY,Chen MC,Peng KT,Lai CH. Glycofullerenes Inhibit Particulate Matter Induced Inflammation and Loss of Barrier Proteins in HaCaT Human Keratinocytes. Biomolecules.2020 Mar 28;10(4):514.doi:10.339

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Anti-Loricrin/LOR Antibody

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