

Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband®

Catalog Number: A08426

About SERPINA4

Kallistatin is a protein that in humans is encoded by the SERPINA4 gene. It is mapped to 14q32.13. Serpin A4 is a member of the Serpin superfamily of the serine protease inhibitors. Known also as Kallistatin or proteinase inhibitor 4, Serpin A4 has been shown to function as a specific inhibitor of tissue kallikrein and as an inhibitor of angiogenesis and tumor growth.

Overview

Product Name	Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband®
Reactive Species	Human, Monkey, Rat
Description	Boster Bio Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband® catalog # A08426. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Monkey, 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 Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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	P29622

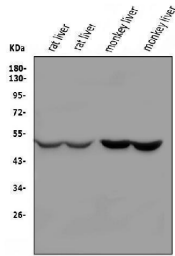
Technical Details

Immunogen	E.coli-derived human Kallistatin/PI-4/SERPINA4 recombinant protein (Position: H147-A373).
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.

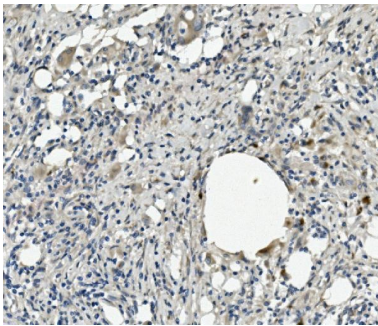
Suggested Dilutions

Western blot, 0.25-0.5ug/ml, Monkey, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human
ELISA, 0.1-0.5ug/ml, -

Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband® (A08426) Images



Western blot analysis of SERPINA4 using anti-SERPINA4 antibody (A08426). 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: rat liver tissue lysates, Lane 2: rat liver tissue lysates, Lane 3: monkey liver tissue lysates, Lane 4: monkey liver tissue 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-SERPINA4 antigen affinity purified polyclonal antibody (Catalog # A08426) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SERPINA4 at approximately 49KD. The expected band size for SERPINA4 is at 49KD.



IHC analysis of SERPINA4 using anti-SERPINA4 antibody (A08426). SERPINA4 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-SERPINA4 Antibody (A08426) 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 Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Kallistatin/PI-4/SERPINA4 Antibody

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