BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Kallistatin/SERPINA4 Antibody Picoband®

Catalog Number: PA1638

About SERPINA4

Serpina 4, also called Kallistatin, PI4 or TISSUE KALLIKREIN INHIBITOR, is a protein that in humans is encoded by the SERPINA4 gene. The serpina4 is a member of the serpin superfamily and represents a major inhibitor of human tissue kallikrein in the circulation. The SERPINA4 gene is localized to 14q32.13. The translated amino acid sequence of serpina4 matches the protein sequence and shares 44 to 46% sequence identity with other serpin family members. Kallistatin is a serine proteinase inhibitor (serpin) and a heparin-binding protein. It is localized in vascular smooth muscle cells and endothelial cells of blood vessels, suggesting that it may be involved in the regulation of vascular function. And serpina4 also plays a role in neointima hyperplasia.

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Overview

Product Name	Anti-Kallistatin/SERPINA4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Kallistatin/SERPINA4 Antibody catalog # PA1638. Tested in IHC, WB 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

BOSTER
antibody and ELISA experts

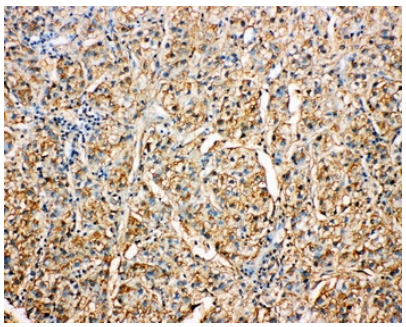
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Technical Details

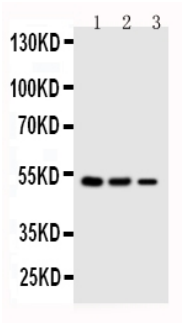
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kallistatin.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

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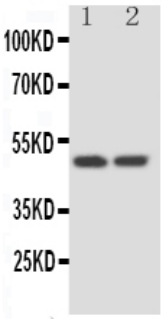
Anti-Kallistatin/SERPINA4 Antibody Picoband® (PA1638) Images



Anti-Kallistatin antibody, PA1638, IHC(P)IHC(P): Human Liver Cancer Tissue



Anti-Kallistatin antibody, PA1638, Western blottingLane 1: SMMC Cell LysateLane 2: COLO320 Cell LysateLane 3: JURKAT Cell Lysate



Anti-Kallistatin antibody, PA1638, Western blottingLane 1: HELA Cell LysateLane 2: SKOV Cell Lysate

Anti-Kallistatin/SERPINA4 Antibody

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