

Anti-Syndecan 4/SDC4 Antibody Picoband™

Catalog Number: PB9388

About SDC4

Syndecan 4 is also known as SDC4. The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Overview

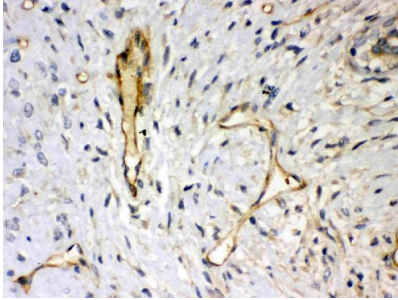
Product Name	Anti-Syndecan 4/SDC4 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Syndecan 4/SDC4 Antibody Picoband™ catalog # PB9388. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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	P31431

Technical Details

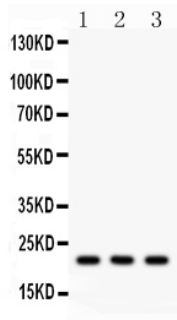
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Syndecan 4, identical to the related mouse and rat sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western 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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5ug/ml, Human, Rat

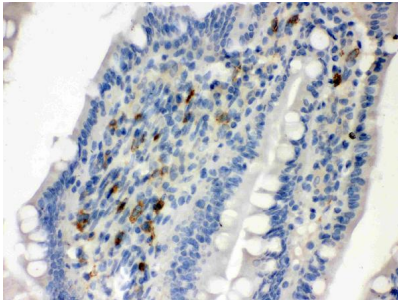
Anti-Syndecan 4/SDC4 Antibody Picoband™ (PB9388) Images



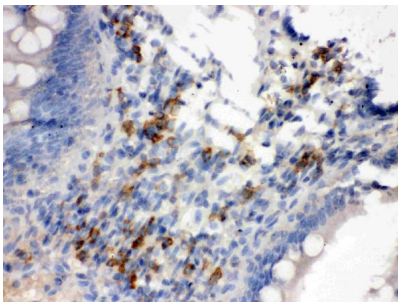
Anti-Syndecan 4 Picoband antibody, PB9388, IHC(P)
IHC(P): Human Mammary Cancer Tissue



Anti-Syndecan 4 Picoband antibody, PB9388, Western blotting
All lanes: Anti Syndecan 4 (PB9388) at 0.5ug/ml
Lane 1: MCF-7 Whole Cell Lysate at 40ug
Lane 2: SW620 Whole Cell Lysate at 40ug
Lane 3: Rat Lung Tissue Lysate at 50ug
Predicted bind size: 22KD
Observed bind size: 22KD



Anti-Syndecan 4 Picoband antibody, PB9388, IHC(P)
IHC(P): Rat Intestine Tissue



Anti-Syndecan 4 Picoband antibody, PB9388, IHC(P)
IHC(P): Mouse Intestine Tissue

1 Publications Citing This Product

1. PubMed ID: 31309562, Cai P,Lu Z,Jiang T,Wang Z,Yang Y,Zheng L,Zhao J.Syndecan-4 involves in the pathogenesis of rheumatoid arthritis by regulating the inflammatory response and apoptosis of fibroblast-like synoviocytes.J Cell Physiol.2020 Feb;235(2):1746-1758.doi:10.1002/jcp

Visit [bosterbio.com/anti-syndecan-4-picoband-trade-antibody-pb9388-boster.html](https://www.bosterbio.com/anti-syndecan-4-picoband-trade-antibody-pb9388-boster.html) to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to 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-Syndecan 4/SDC4 Antibody TM