

Anti-Caveolin-2/CAV2 Antibody Picoband®

Catalog Number: PA1540

About CAV2

Caveolin-2 is a protein related to caveolin-1 which is derived caveolin-enriched membranes. CAV2 and CAV1 are similar in most respects and they differ in their functional interactions with heterotrimeric G proteins. Caveolin-1 and caveolin-2 are expressed in neuronal cells. Caveolin-2 was upregulated in response to neuronal cell injury. The CAV2 gene is mapped to 7q31.1-q31.2. The CAV1 gene contains 3 exons, while the human CAV2 gene contains 2 exons. The boundary of the last exon of CAV1 and CAV2 are analogous, suggesting that they arose through gene duplication. The genes encoding murine caveolin-1 and -2 are colocalized within the A2 region of mouse chromosome 6.

Overview

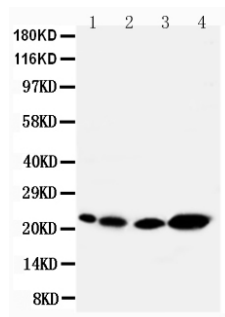
Product Name	Anti-Caveolin-2/CAV2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Caveolin-2/CAV2 Antibody catalog # PA1540. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	P51636

Technical Details

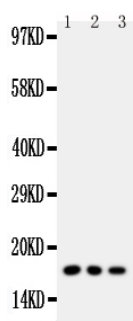
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Caveolin-2, different from the related rat and mouse sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP 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, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

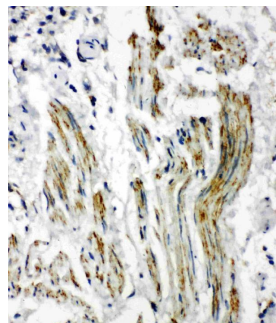
Anti-Caveolin-2/CAV2 Antibody Picoband® (PA1540) Images



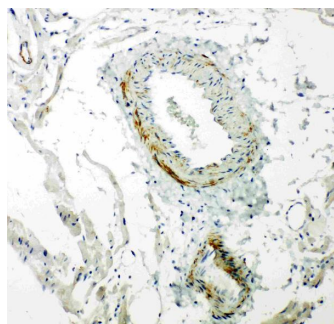
Anti-Caveolin-2 antibody, PA1540, Western blotting
Lane 1: Rat Heart Tissue Lysate
Lane 2: Rat lung Tissue Lysate
Lane 3: HELA Cell Lysate
Lane 4: A431 Cell Lysate



Anti-Caveolin-2 antibody, PA1540, Western blotting
All lanes: Anti Caveolin-2 (PA1540) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: SMMC Whole Cell Lysate at 40ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Predicted bind size: 17KD
Observed bind size: 17KD



Anti-Caveolin-2 antibody, PA1540, IHC(P)
IHC(P): Human Lung Cancer Tissue



Anti-Caveolin-2 antibody, PA1540, IHC(P)
IHC(P): Rat Cardiac Muscle Tissue

1 Publications Citing This Product

1. PubMed ID: 24175763, Wang Nn, Zhao Lj, Wu Ln, He Mf, Qu Jw, Zhao Yb, Zhao Wz, Li Js, Wang Jh. Asian Pac J Cancer Prev. 2013;14(9):4983-8. Mechanistic Analysis Of Taxol-Induced Multidrug Resistance In An Ovarian Cancer Cell Line.

Visit bosterbio.com/anti-caveolin-2-antibody-pa1540-boster.html to see all 1 publications.

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Anti-Caveolin-2/CAV2 Antibody

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