

Anti-Smad1 Antibody Picoband®

Catalog Number: PA2114

About Smad1

Mothers against decapentaplegic homolog 1 also known as SMAD family member 1 or SMAD1 is a protein that in humans is encoded by the SMAD1 gene. SMAD1 belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene "mothers against decapentaplegic" (Mad) and the C. elegans gene Sma. The gene was assigned to human chromosome 4q31.21. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways.

Overview

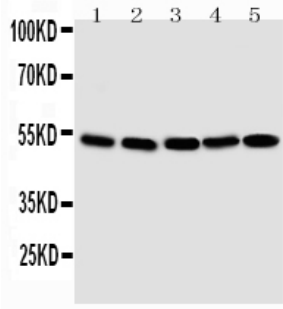
Product Name	Anti-Smad1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Smad1 Antibody catalog # PA2114. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior 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, ICC, 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	P70340

Technical Details

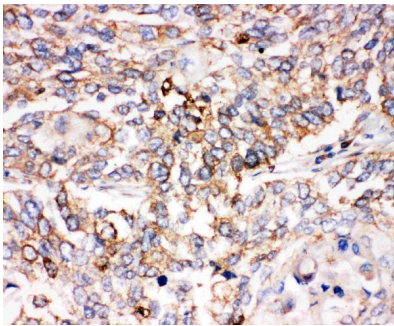
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Smad1, different from the related rat sequence by one amino acid, and different from the related human sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and ICC.
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	Immunocytochemistry , 0.5-1ug/ml, Human, - Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

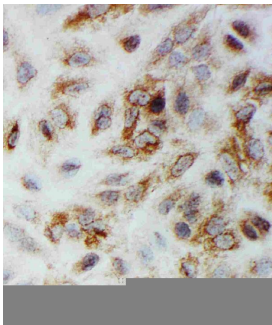
Anti-Smad1 Antibody Picoband® (PA2114) Images



Anti-Smad1 antibody, PA2114, Western blotting
Lane 1: SMMC Cell Lysate
Lane 2: K562 Cell Lysate
Lane 3: HT1080 Cell Lysate
Lane 4: HELA Cell Lysate
Lane 5: JURKAT Cell Lysate



Anti-Smad1 antibody, PA2114, IHC(P)
IHC(P): Human Lung Cancer Tissue



Anti-Smad1 antibody, PA2114, ICC
ICC: A549 Cell

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Anti-Smad1 Antibody

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