BOSTER BIOLOGICAL TECHNOLOGY
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Anti-(Mouse) Smad1 Antibody (Center)

Catalog Number: M00728-2

About Smad1

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD) (By similarity). May play a role in the initiation and maintenance of spermatogenesis. SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1 (By similarity). May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene [removed]PubMed:15329343).

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Overview

Product Name	Anti-(Mouse) Smad1 Antibody (Center)
Reactive Species	Mouse
Description	Boster Bio Anti-(Mouse) Smad1 Antibody (Center) (Catalog # M00728-2). Tested in WB, IHC-P application(s). This antibody reacts with Mouse.
Application	IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P70340

Technical Details

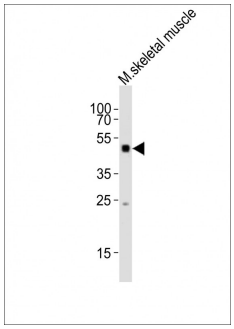
Immunogen	This Mouse Smad1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 154-187 amino acids from the Central region of Mouse Smad1.
Predicted Reactive Species	Bovine, Mouse
Isotype	Rabbit IgG

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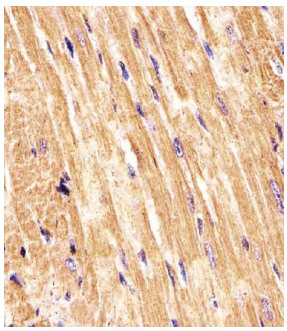
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000 IHC-P: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-(Mouse) Smad1 Antibody (Center) (M00728-2) Images



Anti-Smad1 Antibody (Center) at 1:1000 dilution + mouse skeletal muscle lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 52 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M00728-2 staining (Mouse) Smad1 in Mouse heart tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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