

Anti-GS28 Gosr1 Antibody (Monoclonal, HFD9)

Catalog Number: M09064

About Gosr1

Heat shock protein 47, also known as SERPINH1 or HSP47, is a serpin which serves as a human chaperone protein for collagen. This protein is a member of the serpin superfamily of serine proteinase inhibitors. Its expression is induced by heat shock. The protein localizes to the endoplasmic reticulum lumen and binds collagen; thus it is thought to be a molecular chaperone involved in the maturation of collagen molecules. Autoantibodies to this protein have been found in patients with rheumatoid arthritis. It has been found that HSP47 monitors the integrity of the triple helix of type I procollagen at the ER/cis-Golgi boundary and, when absent, the rate of transit from the ER to the Golgi is increased and the helical structure is compromised.

Overview

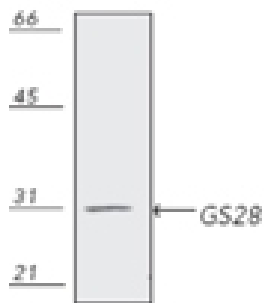
Product Name	Anti-GS28 Gosr1 Antibody (Monoclonal, HFD9)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-GS28 Gosr1 Antibody (Monoclonal, HFD9) catalog # M09064. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Monoclonal HFD9
Formulation	Each vial contains 50% glycerol and 0.09% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q62931

Technical Details

Immunogen	Rat liver Golgi-enriched membranes.
Predicted Reactive Species	Bovine, Goat, Guinea Pig, Hamster, Monkey, Sheep
Cross Reactivity	Detects ~20kDa. Does not cross-react with alphaB-crystallin, betaL-crystallin, ̢H- crystallin, gamma-crystallin, HSP25, HSP27 or HSP47 proteins.
Isotype	IgG1
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Purification	Protein G 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: WB, 1:1,000, ECL, Mouse, Rat

Anti-GS28 Gosr1 Antibody (Monoclonal, HFD9) (M09064) Images



Western blot analysis of GS28 expression in pig kidney ESK-4 whole cell lysates (lane 1). GS28 at 28KD was detected using mouse anti-GS28 Antigen Affinity purified monoclonal antibody (Catalog # M09064) at 1:1000. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).

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