

Anti-Leukocyte elastase inhibitor SERPINB1 Antibody

Catalog Number: A04491

About SERPINB1

Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability. Deconjugates SUMO2 and SUMO3 from CDCA8. Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300. Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1. Plays a role in the regulation of sumoylation status of ZNF148. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.

Yeh E.T.H., Gene 248:1-14(2000).

Choi S.J., Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.

Wiemann S., Genome Res. 11:422-435(2001).

Overview

Product Name	Anti-Leukocyte elastase inhibitor SERPINB1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Leukocyte elastase inhibitor SERPINB1 Antibody catalog # A04491. Tested in WB,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Rabbit
Uniprot ID	P30740

Technical Details

Immunogen	Synthesized peptide derived from human SRp55
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
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: 1:500-1:2000 IF: 1:50-1:200

Anti-Leukocyte elastase inhibitor SERPINB1 Antibody (A04491) Images

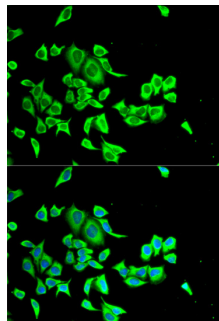


Figure 2. Immunofluorescent staining data of SERPINB1 using Anti-Leukocyte elastase inhibitor SERPINB1 Antibody (A04491).

Immunofluorescence analysis of HeLa cells

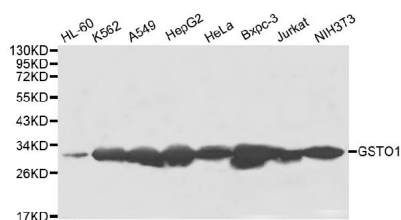


Figure 1. Western blotting validation for Anti-Leukocyte elastase inhibitor SERPINB1 Antibody A04491

WesternBlot (WB) analysis of SERPINB1 polyclonal antibody
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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