

Anti-USP22 Antibody Picoband®

Catalog Number: A03887-2

About USP22

Ubiquitin specific peptidase 22 is a protein that in humans is encoded by the USP22 gene on chromosome 17. Enables enzyme binding activity; nuclear receptor coactivator activity; and thiol-dependent deubiquitinase. Contributes to H4 histone acetyltransferase activity. Involved in positive regulation of mitotic cell cycle; positive regulation of transcription, DNA-templated; and protein modification by small protein conjugation or removal. Part of SAGA complex.

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Overview

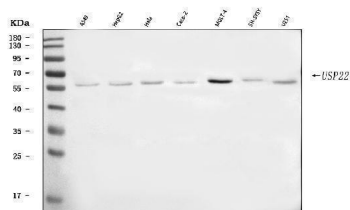
Product Name	Anti-USP22 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-USP22 Antibody Picoband® catalog # A03887-2. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q9UPT9

Technical Details

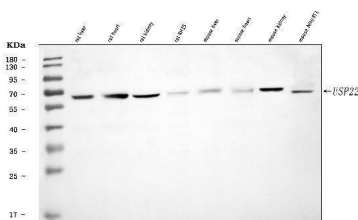
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human USP22, which shares 89.5% amino acid (aa) sequence identity with mouse USP22.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot.
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	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat

Anti-USP22 Antibody Picoband® (A03887-2) Images



Western blot analysis of USP22 using anti-USP22 antibody (A03887-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human CACO-2 whole cell lysates, Lane 5: human MOLT-4 whole cell lysates, Lane 6: human SH-SY5Y whole cell lysates, Lane 7: human U251 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-USP22 antigen affinity purified polyclonal antibody (Catalog # A03887-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for USP22 at approximately 68 kDa. The expected band size for USP22 is at 60 kDa.



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