BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-DUSP23 Antibody Picoband®

Catalog Number: A09732

About DUSP23

Enables protein tyrosine/serine/threonine phosphatase activity. Involved in dephosphorylation. Located in nucleoplasm.

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Overview

Product Name	Anti-DUSP23 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DUSP23 Antibody Picoband® catalog # A09732. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse. 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	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
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	Q9BVJ7

Technical Details

Immunogen	E.coli-derived human DUSP23 recombinant protein (Position: S41-K150).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

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Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human< Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human ELISA, 0.1-0.5 ug/ml

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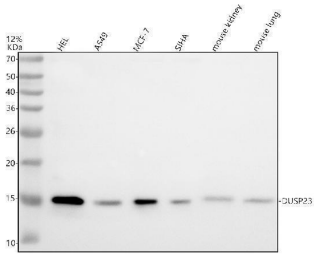
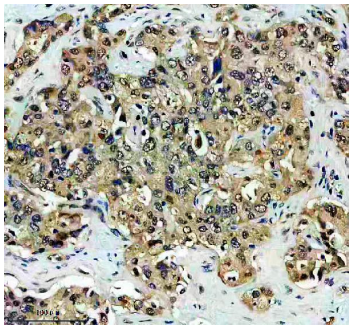
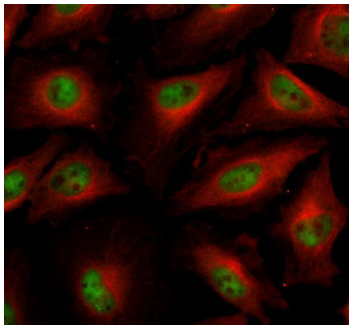
Anti-DUSP23 Antibody Picoband® (A09732) Images



Western blot analysis of DUSP23 using anti-DUSP23 antibody (A09732). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HEL whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human SiHa whole cell lysates, Lane 5: mouse kidney tissue lysates, Lane 6: mouse lung tissue 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-DUSP23 antigen affinity purified polyclonal antibody (A09732) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for DUSP23 at approximately 15 kDa. The expected band size for DUSP23 is at 17 kDa.



IHC analysis of DUSP23 using anti-DUSP23 antibody (A09732). DUSP23 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DUSP23 Antibody (A09732) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IF analysis of DUSP23 using anti-DUSP23 antibody (A09732) and anti-Alpha Tubulin antibody (M03989-3). DUSP23 was detected in an immunocytochemical section of Hela cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-DUSP23 Antibody (A09732) and mouse anti-Alpha Tubulin antibody (M03989-3) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Immunoprecipitating DUSP23 in HEL whole cell lysate. Western blot analysis of DUSP23 using anti-DUSP23 antibody

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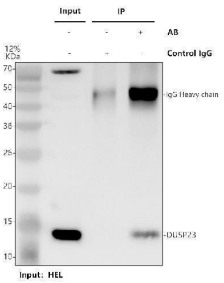

(A09732). Lane 1: HEL whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-DUSP23 antibody in HEL whole cell lysate, Lane 3: anti-DUSP23 antibody (2ug) + HEL whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-DUSP23 antigen affinity purified polyclonal antibody (A09732) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for DUSP23 at approximately 15 kDa. The expected band size for DUSP23 is at 17 kDa.

Anti-DUSP23 Antibody

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