BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PERP Antibody

Catalog Number: A03926

About PERP

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 network, including Chk2, p53R2, p53AIP1, Noxa, PIDD, PID/MTA2, MTBP and PERP, were identified and their genes were cloned recently. PERP, also termed PIGPC1 and THW, is a plasma membrane protein. p53 binds to the promoter of PERP and transcriptionally activates PERP gene then the translated PERP protein mediates the p53 induced apoptosis. The expression of PERP causes cell death. PERP is a mediator of p53 induced apoptosis. PERP has sequence similarity to PMP-22/gas3 and is a new member of the PMP-22/gas3 family.

Overview

Product Name	Anti-PERP Antibody
Reactive Species	Human
Description	Boster Bio Anti-PERP Antibody (Catalog # A03926). Tested in ELISA, WB, ICC applications. This antibody reacts with Human.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	PERP Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PERP antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9JK95

Technical Details

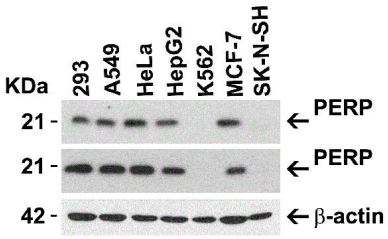
Immunogen	Anti-PERP antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human PERP. The immunogen is located within the last 50 amino acids of PERP.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PERP Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

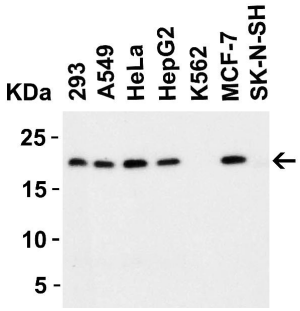
	kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used WB: 1-2 ?g/mL; ICC: 10 ?g/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested. For protocols, please visit https://www.bosterbio.com/protocol-and-troubleshooting/

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

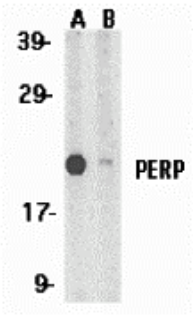
Anti-PERP Antibody (A03926) Images



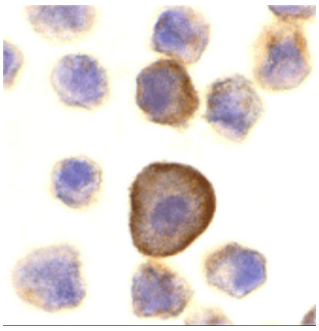
Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines
Loading: 15 µg of lysates per lane.Antibodies: PERP A03926 (1 µg/mL), PERP, (2 µg/mL), beta-actin (1 µg/mL) and GAPDH (0.02 µg/mL), 1h incubation at RT in 5% NFDM/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot Validation in Human Cell Lines
Loading: 15 µg of lysates per lane.Antibodies: PERP A03926 (1 µg/mL), 1h incubation at RT in 5% NFDM/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot Validation in Human A431 whole cell lysates in the Absence (A) and Presence (B) of Blocking Peptide
Loading: 15 µg of lysates per lane. Antibodies: PERP A03926 (1 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry Validation of PERP in A431 Cells
Immunocytochemical analysis of A431 cells using anti-PEPR antibody (A03926) at 10 µg/ml. Cells was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.