

Datasheet for 200-401-H10**PERP Antibody****Overview**

Description:	Anti-PERP (RABBIT) Antibody - 200-401-H10
Item No.:	200-401-H10
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	PERP antibody detects human 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. Anti-PERP antibodies are ideal for investigators involved in Apoptosis research.
Synonyms:	p53 apoptosis effector related to PMP-22, Keratinocyte-associated protein 1, KCP-1, P53-induced protein PIGPC1, Transmembrane protein THW, PERP, KCP1, KRTCAP1, PIGPC1, THW
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PERP
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	PERP Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to amino acids near the c-terminus of human PERP, which differ from the mouse sequence by three amino acids.
Purity/Specificity:	Anti-PERP Antibody is affinity chromatography purified via peptide column. A BLAST analysis was used to suggest cross-reactivity with PERP with Human based on 100% homology with the immunizing sequence. Cross-reactivity with PERP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96A56 • GeneID - 94241

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-PERP Antibody is tested for use in E, WB, and ICC. Expect a band approximately ~21.5 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1-2µg/mL

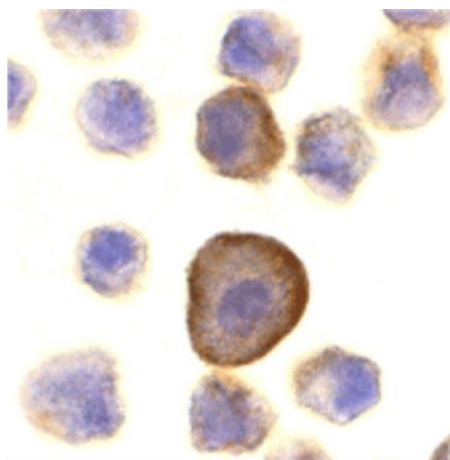
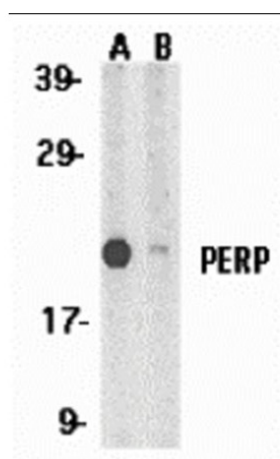
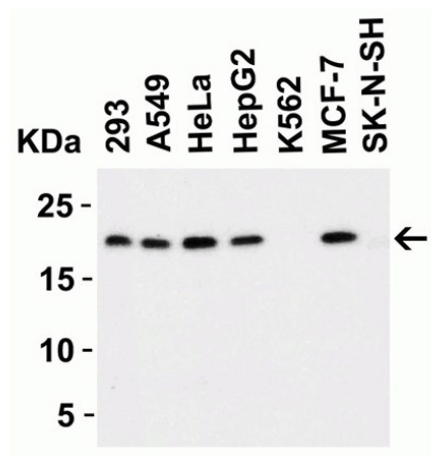
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot Validation of Anti-PERP.

Load: 15 µg of human cell lysates per lane. Lane 1: 293, Lane 2: A594, Lane 3: HeLa, Lane 4: HepG2, Lane 5: K562, Lane 6: MFC7, Lane 7: SK-N-SH.

Primary Antibody: Anti-PERP at 1µg/mL for 1h at RT in 5% NFDM/TBST.

Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

Western Blot

Western Blot Validation of Anti-PERP.

Load: 15 µg of human A431 whole cell lysate per lane.

Primary Antibody: Anti-PERP at 1µg/mL, in the Absence (A) and Presence (B) of Blocking Peptide, for 1h at RT in 5% NFDM/TBST.

Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

Immunocytochemistry

Immunocytochemistry Validation of PERP.

Cell: A431 Cells.

Fixation: formaldehyde and blocked with 10% serum for 1 h at RT.

Antigen retrieval: heat mediation with a citrate buffer (pH6).

Primary Antibody: anti-PEPR antibody (2451) at 10 µg/ml overnight at 4°C.

Secondary: goat anti-rabbit IgG H&L (HRP) at 1:250. Counter stained with Hematoxylin.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.