

Product datasheet

Anti-PERP antibody ab5986

★ ★ ★ ★ ★ [1 Abreviews](#) [10 References](#) [3 Images](#)

Overview

Product name	Anti-PERP antibody
Description	Rabbit polyclonal to PERP
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human

Predicted to work with: Mouse 

Immunogen

Synthetic peptide:

EDDLLGNAKPRYFYTSA

, corresponding to amino acids 175-193 of Human PERP.

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in the 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.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Primary antibody notes	The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in the 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.
Clonality	Polyclonal
Isotype	IgG

Applications

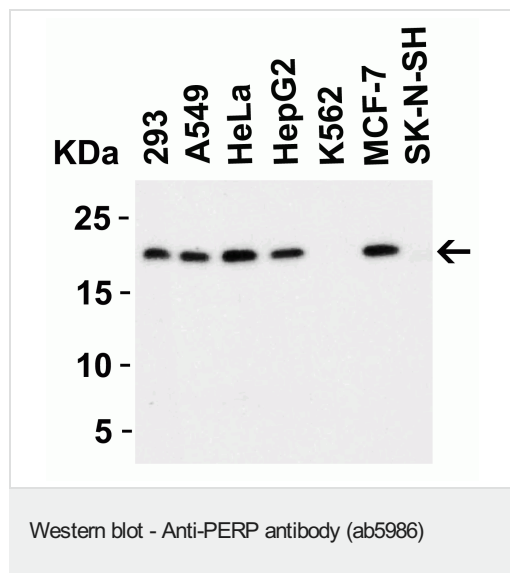
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab5986 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★☆☆☆☆ (1)	Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 21 kDa.

Target

Function	Component of intercellular desmosome junctions. Plays a role in stratified epithelial integrity and cell-cell adhesion by promoting desmosome assembly. Plays a role as an effector in the TP53-dependent apoptotic pathway.
Tissue specificity	Expressed in skin, heart, placental, liver, pancreas, keratinocytes and dermal fibroblasts.
Sequence similarities	Belongs to the TMEM47 family.
Cellular localization	Cell junction > desmosome. Cell membrane. Associated with desmosomes.

Images



All lanes : Anti-PERP antibody (ab5986) at 1 µg

Lane 1 : 293 cell lysate

Lane 2 : A549 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : HepG2 cell lysate

Lane 5 : K569 cell lysate

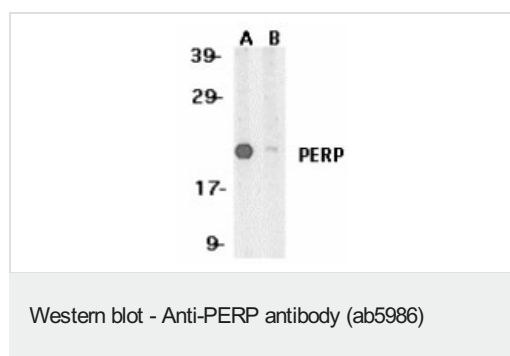
Lane 6 : MCF-7 cell lysate

Lane 7 : SK-N-SH cell lysate

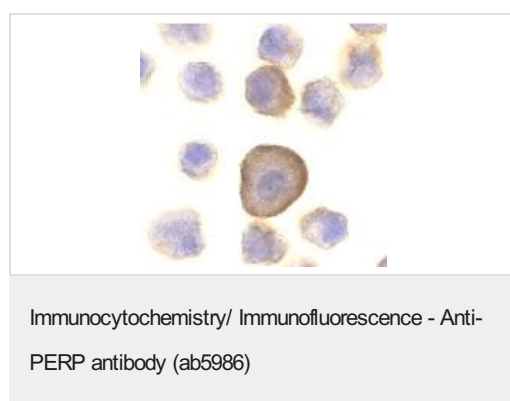
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution



Western blot analysis of PERP expression in A431 whole cell lysates in the absence (A) and presence (B) of blocking peptide with anti- PERP at 1 µg /ml. Western blot analysis of PERP expression in A431 whole cell lysates in the absence (A) and presence (B) of blocking peptide with anti- PERP at 1 µg /ml.



Immunocytochemistry of PERP in A431 cells with PERP antibody at 10 µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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