

PERP Antibody

PERP: TP53 apoptosis effector, PIGPC1, THW

CATALOG NO.: 2451

BACKGROUND:

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 network, including Chk2 (1), p53R2 (2), p53AIP1 (3), Noxa (4), PIDD (5), PID/MTA2 (6), MTBP (7) and PERP (8), were identified and their genes were cloned recently. PERP, also termed PIGPC1 and THW, is a plasma membrane protein (8-10). p53 binds to the promoter of PERP and transcriptionally activates PERP gene then the translated PERP protein mediates the p53 induced apoptosis (8). 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 (8).

SOURCE:

Rabbit polyclonal PERP antibody was raised against a synthetic peptide corresponding to amino acids near the carboxy terminus of human PERP, which differ from the mouse sequence by three amino acids (7-9).

APPLICATION:

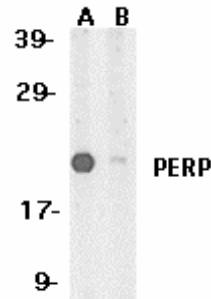
PERP antibody can be used for detection of PERP by Western blot at 0.5 to 1 µg/ml. (Optimal dilution should be determined by user.) A431 cell lysate can be used as positive control and a 21 kDa band can be detected. **For research use only.**

STORAGE:

PERP antibody is supplied as purified IgG, in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

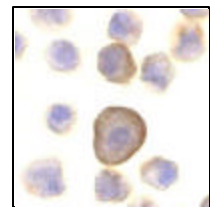
RELATED PRODUCTS:

Blocking peptide, Catalog No. **2451P**.
A431 Cell Lysate, Catalog No. **1202**.
CHK2 Antibody (NT), Catalog No. **2391**.
P53R2 Antibody (NT), Catalog No. **2383**.



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

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



REFERENCES:

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