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ProductInformation

Anti-PERP
Developed in Rabbit
Affinity Isolated Antobody

Product Number **P 5243**

Product Description

Anti-PERP is developed in rabbit using a synthetic peptide corresponding to amino acids 175-193 of human PERP [1-3] as immunogen. It differs from the mouse sequence by three amino acids. The antibody is purified by immunoaffinity chromatography.

Anti-PERP recognizes human PERP by immunoblotting (21 kDa).

Several molecules involved in the p53 tumor-suppressor network have been identified. PERP, also termed PIGPC1 and THW, is a plasma membrane protein.[1-3] PERP is a mediator of p53-induced apoptosis. p53 binds to the promoter of PERP and transcriptionally activates the PERP gene. The translated PERP protein then mediates the p53-induced apoptosis.[1] The expression of PERP causes cell death. PERP has sequence similarity to PMP-22/gas3 and is a member of the PMP-22/gas3 family.[1]

Reagent

Anti-PERP is supplied as approximately 0.5 mg/ml of antibody in phosphate buffered saline containing 0.02% sodium azide

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) has been sent to the attention of the safety officer at your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Do not store in a "frost-free" freezer. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

For immunoblotting, the recommended working antibody concentration is 0.5-1 µg/ml using human epidermoid carcinoma A431 whole cell lysate.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working concentrations by titration.

References

1. Attardi, L.D., et al., PERP, an apoptosis-associated target of p53, is a novel member of the PMP-22/gas3 family. Genes Dev., **14**, 704-718 (2000).
2. Goltsov, A.A., et al., p53 regulates the expression of a novel four transmembrane protein-PERP/PIGPC1 in mouse and human prostate cancer. GeneBank database.
3. Hildebrandt, T., et al., Identification of THW, a putative new tumor suppressor gene. GeneBank database.

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