## antibodies - online.com







### anti-PERP antibody (C-Term)

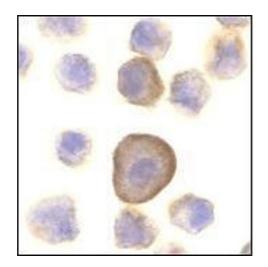
**Images** 



| Overview                    |  |
|-----------------------------|--|
| Quantity:                   | 0.1 mg   |
| Target:                     | PERP   |
| Binding Specificity:        | C-Term   |
| Reactivity:                 | Human  |
| Host:                       | Rabbit   |
| Clonality:                  | Polyclonal   |
| Conjugate:                  | This PERP antibody is un-conjugated  |
| Application:                | Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)                   |
| Product Details             |  |
| Immunogen:                  | 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).   |
| Isotype:                    | IgG  |
| Specificity:                | This antibody detects PERP.  |
| Cross-Reactivity (Details): | Species reactivity (tested):Human  |
| Purification:               | DEAE purified  |
| Target Details              |  |
| Target:                     | PERP   |

### **Target Details**

| Alternative Name:   | PERP (PERP Products)  |
|---------------------|---|
| Background:         | The p53 tumor-suppressor gene integrates numerous signals that control cell life and death.     |
|                     | Several novel molecules involved in p53 network, including Chk2, p53R2 (2), p53AlP1 (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). Synonyms: KCP-1, KCP1, KRTCAP1,              |
|                     | Keratinocyte-associated protein 1, P53-induced protein PIGPC1, PERP, PIGPC1, THW,               |
|                     | Transmembrane protein THW, p53 apoptosis effector related to PMP-22                             |
| Gene ID:            | 64058   |
| UniProt:            | Q9JK95  |
| Pathways:           | Cell-Cell Junction Organization, Positive Regulation of Endopeptidase Activity                  |
| Application Details |   |
| Application Notes:  | ELISA. Western blot. Immunoflourescence.  |
|                     | Other applications not tested.  |
|                     | Optimal dilutions are dependent on conditions and should be determined by the user.             |
| Restrictions:       | For Research Use only   |
| Handling            |   |
| Buffer:             | PBS containing 0.02 % sodium azide  |
| Preservative:       | Sodium azide  |
| Precaution of Use:  | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                   |
|                     | should be handled by trained staff only.  |
| Handling Advice:    | Avoid repeated freezing and thawing.  |
| Storage:            | 4 °C/-20 °C   |
| Storage Comment:    | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.                    |
|                     |   |



# 39- A B 29- PERP 17- 9-

#### **Immunofluorescence**

**Image 1.** Immunocytochemistry of PERP in A431 cells with this product at  $10 \, \mu g/ml$ .

#### **Western Blotting**

**Image 2.** Western blot analysis of PERP expression in A431 whole cell lysates in the absence (A) and presence (B) of blocking peptide with this product at 1  $\mu$ g /ml.