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| <b>Catalog Number:</b>     | RA30041  | <b>Host:</b>               | Rabbit   |
| <b>Product Type:</b>       | Affinity Purified Antibody   | <b>Species Reactivity:</b> | Human  |
| <b>Immunogen Sequence:</b> | 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). | <b>Format:</b>             | PBS, pH 7.4, 0.05% sodium azide.<br>Concentration 1 mg/ml. |
| <b>Applications:</b>       | Immunohistochemistry: 5 µg/ml (Paraffin Embedded Only).<br>Western Blot: 0.5 - 1 µg/ml   |                            |  |
|                            | <b><i>Dilutions listed only as a recommendation. Optimal dilution should be determined by researcher.</i></b>  |                            |  |
| <b>References:</b>         | Long term: -70°C; Short term: +4°C. . Repeated freeze/thaw cycles compromise the integrity of the antibody.  |                            |  |

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### Application Notes

#### Immunohistochemistry Protocol

**Tissue Preparation:** Formalin fixation and embedding in paraffin wax.

**Tissue Sectioning:** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C.

**Deparaffinization:** Wash dry slides in 3 changes of xylene – 5 minutes each at Room Temperature.

**Rehydration:** Wash slides in 3 changes of 100% alcohol – 3 minutes each at Room Temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at Room Temperature Wash slides in 1 change of 80% alcohol – 3 minutes at Room Temperature. Rinse slides in gentle running distilled water – 5 minutes at Room Temperature.

**Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes. Remove from heat and let stand at room temperature in buffer - 20 minutes. Rinse in 1X TBS with Tween (TBST) – 1 minute at Room Temperature.

**Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure). Apply a universal protein block – 20 minutes at Room Temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply a biotinylated anti-rabbit IgG (H+L) secondary – 30 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply alkaline phosphatase streptavidin – 30 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at Room Temperature. Wash slides in distilled water – 1 minute at Room Temperature

**Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB). Wash slides in 2 changes of 80% alcohol – 1 minute each at Room Temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at Room Temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at Room Temperature. Wash slides in 3 changes of xylene – 1 minute each at Room Temperature. Apply coverslip

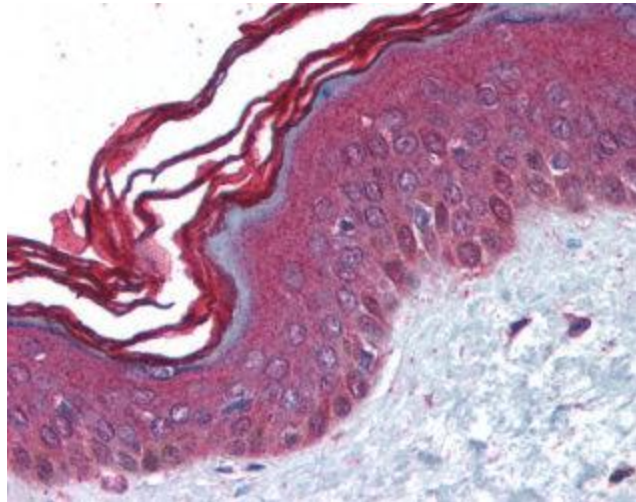
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*Image: PERP staining of Human Skin: Formalin-Fixed Paraffin-Embedded (FFPE).*



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