

## PERP Monoclonal Antibody

CAB5937

### Description

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This PERP Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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|                      |   |
|----------------------|---|
| <b>SKU:</b>          | CAB5937   |
| <b>Contents:</b>     | 20 $\mu$ L, 100 $\mu$ L<br>Bradford Reagent: 1 vial (2ml)               |
| <b>Category:</b>     | Monoclonal Antibody   |
| <b>Synonyms:</b>     | THW, KCP1, EKVP7, OLMS2, PIGPC1, KRTCAP1, dJ496H19.1, PERP              |
| <b>Clone:</b>        | ARC2094   |
| <b>Applications:</b> | <span>WB</span> <span>IHC-P</span> <span>ELISA</span> <span>IF-P</span> |
| <b>Conjugation:</b>  | Unconjugated  |
| <b>Reactivity:</b>   | Human, Mouse, Rat   |

### Antibody Data

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|                       |                       |
|-----------------------|-----------------------|
| <b>Gene ID:</b>       | 64065                 |
| <b>Uniprot:</b>       | -                     |
| <b>Host Species:</b>  | Rabbit                |
| <b>Purification:</b>  | Affinity purification |
| <b>Observed MW:</b>   | 21kDa                 |
| <b>Calculated MW:</b> | 21kDa                 |

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HepG2, BxPC-3, A-431, Mouse liver, Mouse kidney, Rat lung, Rat liver

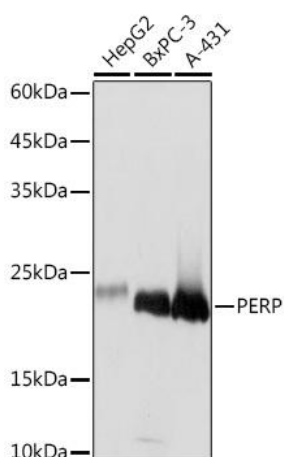
**Recommended Dilutions:**

|              |   |
|--------------|---|
| <b>WB</b>    | 1:1000 - 1:6000   |
| <b>IF-P</b>  | 1:100 - 1:400   |
| <b>IHC-P</b> | 1:50 - 1:200  |
| <b>ELISA</b> | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

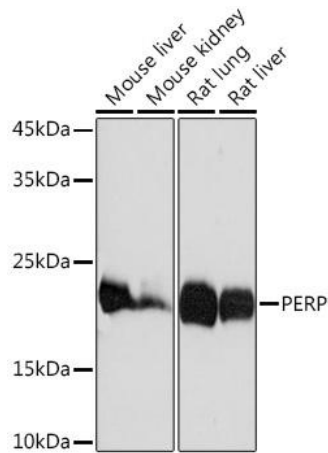
**Protein Quantification (Optional):**

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

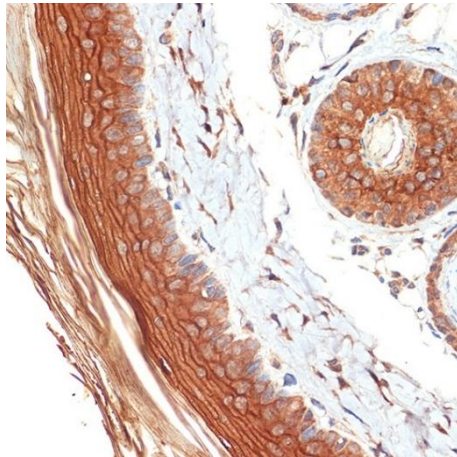
## Validation Data



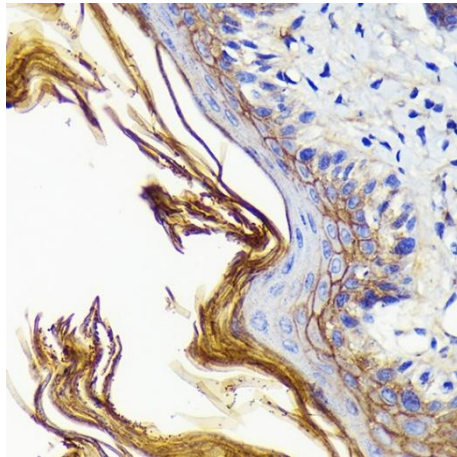
Western blot analysis of various lysates using PERP Rabbit mAb (CAB5937) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



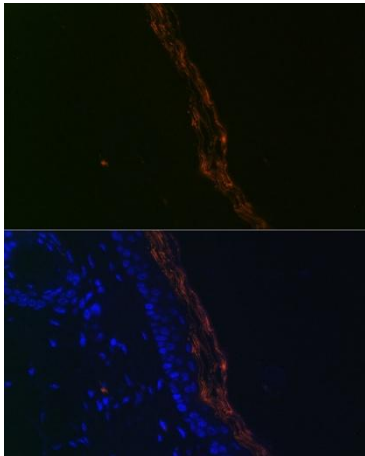
Western blot analysis of various lysates using PERP Rabbit mAb (CAB5937) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Rat skin using PERP Rabbit mAb (CAB5937) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human skin tissue using PERP Rabbit mAb (CAB5937) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded mouse skin using PERP Rabbit mAb (CAB5937) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.