For research purposes only, not for human use

# Product Data Sheet

## Anti-mPR Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CQA2150 | Rabbit | H, M, R | WB, IH, IF/IC |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to mPR |
| **Immunogen** | Recombinant full length protein of human mPR |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of mPR protein. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200) |
| **Gene Symbol** | PGRMC1 |
| **Alternative Names** | HPR6.6; PGRMC; Membrane-associated progesterone receptor component 1; mPR |
| **Entrez Gene** | 10857 (Human); 53328 (Mouse); 291948 (Rat) |
| **SwissProt** | O00264 (Human); O55022 (Mouse); P70580 (Rat) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


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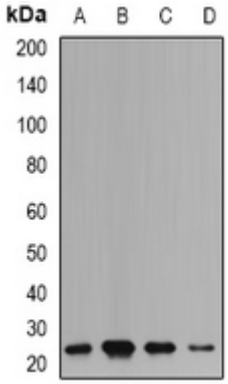
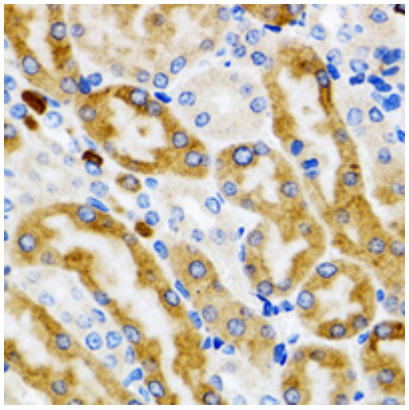
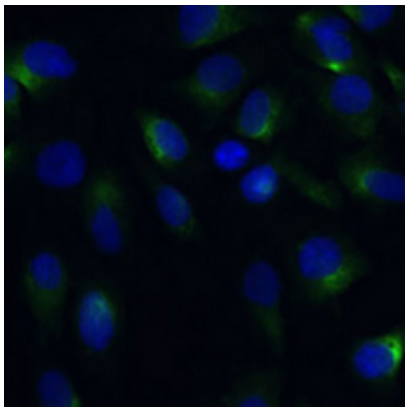



Western blot analysis of mPR expression in HepG2 (A), SW480 (B), mouse liver (C), mouse brain (D) whole cell lysates. (Predicted band size: 15; 21 kD; Observed band size: 24 kD)



Immunohistochemical analysis of mPR staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of mPR staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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