

# Anti-Cytochrome P450 2R1 [M26-P6H1]

**Catalogue number:** 152121

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Cytochrome P450 2R1 [M26-P6H1]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Cytochrome P450 2R1 (CYP2R1) encodes a member of the cytochrome P450 superfamily of enzymes that are a group of heme-thiolate monooxygenases. Cytochromes P450 catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. CYP2R1 expressed in the liver is a microsomal vitamin D hydroxylase that converts vitamin D into 25-hydroxyvitamin D (calcidiol), the major circulatory form of the vitamin.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 lambda

**Reactivity:** Human ; Mouse

**Selectivity:**

**Host:** Mouse

**Immunogen:** Ovalbumin-conjugated synthetic peptide QPYLICAERR (C-terminal sequence).

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

IHC: formalin-fixed, paraffin-embedded human kidney sections. WB: pooled liver microsomes.

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CYP2R1, Cytochrome P450, family 2, subfamily R, polypeptide 1.

**Target alternate names:**

**Target background:** Cytochrome P450 2R1 (CYP2R1) encodes a member of the cytochrome P450 superfamily of enzymes that are a group of heme-thiolate monooxygenases. Cytochromes P450 catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. CYP2R1 expressed in the liver is a microsomal vitamin D hydroxylase that converts vitamin D into 25-hydroxyvitamin D (calcidiol), the major circulatory form of the vitamin.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Brown et al. 2014. PLoS One. 9(3):e90776. PMID: 24608339. ; The expression and prognostic significance of retinoic acid metabolising enzymes in colorectal cancer.

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