

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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