

Anti-Cytochrome P450 51A1 [N6-P2H5*G8]

Catalogue number: 152123

Sub-type: Primary antibody

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cytochrome P450 51A1 [N6-P2H5*G8]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Cytochrome P450, family 51, subfamily A, polypeptide 1 (CYP51A1) 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. CYP51A1 is an endoplasmic reticulum protein that participates in the synthesis of cholesterol by catalyzing the removal of the 14alpha-methyl group from lanosterol.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

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

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

WB: pooled human liver microsomes

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: CYP51A1- Cytochrome P450, family 51, subfamily A, polypeptide 1.

Target alternate names:

Target background: Cytochrome P450, family 51, subfamily A, polypeptide 1 (CYP51A1) 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. CYP51A1 is an endoplasmic reticulum protein that participates in the synthesis of cholesterol by catalyzing the removal of the 14alpha-methyl group from lanosterol.

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: Characterisation of the oxysterol metabolising enzyme pathway in mismatch repair proficient and deficient colorectal cancer. ; Swan et al. 2016. Oncotarget. ∴ PMID: 27341022.

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