Anti-Cytochrome P450 1A1, 1A2 [MC1]

Catalogue number: 152162
Sub-type: Primary antibody
Images:

Contributor

Inventor: Ayham Alnabulsi
Institute: Vertebrate Antibodies Limited
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cytochrome P450 1A1, 1A2 [MC1]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1 kappa
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: 3-methylcholanthrene induced rat cytochrome P450 proteins
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls: IHC: formalin-fixed, paraffin-embedded normal liver sections; western blot: recombinant P450
Bacterial resistance:

Selectable markers:
Additional notes:

Target details

Target: Cytochrome P450 1A1, 1A2 (CYP1A1, CYP1A2)

Target alternate names:

Target background: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

Molecular weight:

Ic50:

Applications

Application: IHC ; WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 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: HCMV-infected cells maintain efficient nucleotide excision repair of the viral genome while abrogating repair of the host genome. ; O'Dowd et al. 2012. PLoS Pathog. 8(11):e1003038. PMID: 23209410. ; O'Dowd et al. 2012. PLoS Pathog. 8(11):e1003038. PMID: 23209410. ; Lange et al. 2009. DNA Repair (Amst). 8(7):865-72. PMID: 19446504. ; Human HMGB1 directly facilitates interactions between nucleotide excision repair proteins on triplex-directed psoralen interstrand crosslinks. ; Louat et al. 2004. FEBS Lett. 574(1-3):121-5. PMID: 15358551. ; Atypical protein kinase C stimulates nucleotide excision repair activity. ; Arajo et al. 2001. Mol Cell Biol. 21(7):2281-91. PMID: 11259578. ; Strong Fn interactions of TFIIH with XPC and XPG in human DNA nucleotide excision repair, without a preassembled repairosome. ; Batty et al. 2000. J Mol Biol. 300(2):275-90. PMID: 10873465. ; Stable binding of human XPC complex to irradiated DNA confers strong discrimination for damaged sites. ; Kberle et al. 1999. Curr Biol. 9(5):273-6. PMID: 10074455. ; Defective repair of cisplatin-induced DNA damage caused by reduced XPA protein in testicular germ cell tumours.