Anti-Cytochrome P450 4A2, 4A3 [Clo4]

Catalogue number: 151038
Sub-type: Primary antibody
Images:

Contributor

Inventor: Roland Wolf
Institute: University of Dundee
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cytochrome P450 4A2, 4A3 [Clo4]

Alternate name: Cyclin-Dependent Kinase 1; Cell Division Cycle 2, G1 To S And G2 To M; Cell Division Control Protein 2 Homolog; Cell Division Protein Kinase 1; P34 Protein Kinase; P34CDC2; CDC28A; CDC2; Cell Cycle Controller CDC2; CDKN1

Class: Monoclonal
Conjugate: Unconjugated
Description: The CYP2 family are part of the microsomal drug metabolising system that is responsible for the oxidation of many therapeutic agents as well as steroids, fatty acids and many other endogenous substances. The hepatic CYP4A enzymes are important fatty acid and prostaglandin omega-hydroxylases that are highly inducible by fibric acid hypolipidemic agents and other peroxisome proliferators. In humans, 4A1, 4A2, & 4A3 have been cloned from liver, kidney and testis and have been detected in renal, hepatic & brain microvessels.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG2a
Reactivity: Rat
Selectivity:
Host: Mouse
Immunogen: Rat liver cytochrome P450 4A2 and 4A3
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Cytochrome P450 4A2, 4A3, CYP4A2, CYP4A3

Target alternate names:

Target background: The CYP2 family are part of the microsomal drug metabolising system that is responsible for the oxidation of many therapeutic agents as well as steroids, fatty acids and many other endogenous substances. The hepatic CYP4A enzymes are important fatty acid and prostaglandin omega-hydroxylases that are highly inducible by fibric acid hypolipidemic agents and other peroxisome proliferators. In humans, 4A1, 4A2, & 4A3 have been cloned from liver, kidney and testis and have been detected in renal, hepatic & brain microvessels.

Molecular weight: 51.5/52.0 kDa

Ic50:

Applications

Application: ELISA ; IP ; 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: Zhou et al. 2015. Platelets. :1-11. PMID: 26325015. ; Platelets promote cartilage repair and chondrocyte proliferation via ADP in a rodent model of osteoarthritis. ; Coulonval et al. 2011. Mol Biol Cell. 22(21):3971-85. PMID: 21900495. ; Coupling of T161 and T14 phosphorylations protects cyclin B-CDK1 from premature activation. ; Gannon et al. 1998. Genes Cells. 3(1):17-27. PMID: 9581979. ; A measure of the mitotic index: studies of the abundance and half-life of p34cdc2 in cultured cells and normal and neoplastic tissues. ; Goodger et al. 1996. J Pathol. 178(4):422-8. PMID: 8691321. ; The localization of p34cdc2 in the cells of normal, hyperplastic, and malignant epithelial and lymphoid tissues of the oral cavity. ; Doussis-Anagnostopoulou et al. 1994. Histopathology. 24(4):335-40. PMID: 8045523. ; Distribution of the cdc2 gene product in normal tissues: an immunocytochemical study using four new monoclonal antibodies. ; Kobayashi et al. 1992. Mol Biol Cell. 3(11):1279-94. PMID: 1333843. ; Identification of the domains in cyclin A required for binding to, and activation of, p34cdc2 and p32cdk2 protein kinase subunits.