

CYP3A4 Polyclonal Antibody

Catalog # AP69411

Product Information

ApplicationWB, IHC-PPrimary AccessionP08684ReactivityHumanHostRabbitClonalityPolyclonal

Additional Information

Other Names CYP3A4; CYP3A3; Cytochrome P450 3A4; 1; 8-cineole 2-exo-monooxygenase;

Albendazole monooxygenase; Albendazole sulfoxidase; CYPIIIA3; CYPIIIA4; Cytochrome P450 3A3; Cytochrome P450 HLp; Cytochrome P450 NF-25;

Cytochrome P450-PCN1; Nifedipine

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

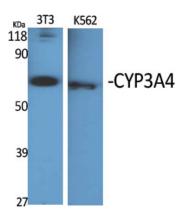
Protein Information

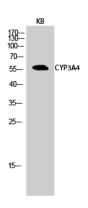
Background

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulphoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Acts as a 1,8-cineole 2- exo-monooxygenase. The enzyme also hydroxylates etoposide (PubMed: 11159812). Catalyzes 4-beta-hydroxylation of cholesterol. May catalyze 25-hydroxylation of cholesterol in vitro (PubMed: 21576599). Catalyzes sulfoxidation of the anthelmintics albendazole and fenbendazole (PubMed: 10759686).

Images

Western Blot analysis of various cells using CYP3A4 Polyclonal Antibody diluted at 1: 1000





Western Blot analysis of KB cells using CYP3A4 Polyclonal Antibody diluted at 1 : 1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.