10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cytochrome P450 2A6 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50056

Product Information

Application	WB
Primary Accession	P11509
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	56517

Additional Information

Gene ID	1548
Other Names	Cytochrome P450 2A6, 11413-, 4-cineole 2-exo-monooxygenase, CYPIIA6, Coumarin 7-hydroxylase, Cytochrome P450 IIA3, Cytochrome P450(I), CYP2A6, CYP2A3
Dilution	WB~~ 1:500-1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	CYP2A6
Synonyms	CYP2A3
Function	Exhibits a high coumarin 7-hydroxylase activity. Can act in the hydroxylation of the anti-cancer drugs cyclophosphamide, ifosphamide and tegafur. Competent in the metabolic activation of aflatoxin B1. Constitutes the major nicotine C-oxidase. Acts as a 1,4- cineole 2-exo-monooxygenase. Possesses low phenacetin O-deethylation activity.
Cellular Location	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein
Tissue Location	Liver.

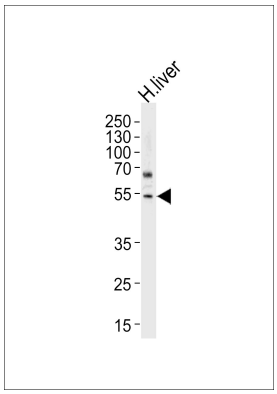
Background

Exhibits a high coumarin 7-hydroxylase activity. Can act in the hydroxylation of the anti-cancer drugs cyclophosphamide and ifosphamide. Competent in the metabolic activation of aflatoxin B1. Constitutes the major nicotine C-oxidase. Acts as a 1,4- cineole 2-exo-monooxygenase. Possesses low phenacetin O-deethylation activity.

References

Miles J.S.,et al.Nucleic Acids Res. 17:2907-2917(1989).
Yamano S.,et al.Nucleic Acids Res. 17:4888-4888(1989).
Yamano S.,et al.Biochemistry 29:1322-1329(1990).
Zhuge J.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of lysates from H.liver cell line ,using Cytochrome P450 2A6 Antibody(C12258). C12258 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug.

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