

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CYP3A4



Numéro de catalogue: 18227-1-AP

48 Publications

Informations de base

Numéro de catalogue: 18227-1-AP	Numéro d'acquisition GenBank: BC101631	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 800 µg/ml by Nanodrop;	Identification du gène (NCBI): 1576	Dilutions recommandées: WB 1:1000-1:4000 IHC 1:50-1:500
Hôte: Lapin	Nom complet: cytochrome P450, family 3, subfamily A, polypeptide 4	
Isotype: IgG	MW calculé: 503 aa, 57 kDa	
Immunogen Catalog Number: AG13074	MW observés: 51-57 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu hépatique de rat, tissu cérébral de souris, tissu hépatique de souris

IHC : tissu hépatique humain,

Informations générales

Cytochrome P450 3A(CYP3A) belongs to the cytochrome P450 family and the enzymes constitute an important detoxification system that contributes to primary metabolism of more than half of all prescribed medications. CYP3A expression determines impairment of drug absorption and efficient systemic clearance in a tissue-specific manner (PMID:17975676). The highest amounts of drug-metabolizing cytochromes P-450 are found in the liver and intestine, with lower amounts found in other organs, including the kidney, lung, and brain. LPS that has reached the circulation stimulates a TLR4-dependent mechanism in the periphery, evoking a reduction in Cyp3a11 expression and metabolism in the liver (PMID: 15878984). Human CYP3A4 is homologous to five mouse P450 isoforms, namely, Cyp3a11, Cyp3a16, Cyp3a41a, Cyp3a41b, and Cyp3a44 (PMID: 22446519). And CYP3A4 is also the human homologue of rat CYP3A1 and CYP3A2 (PMID: 27546062, PMID: 32874920).

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhenyu Wang	31588244	Theranostics	IHC
Chengming Wen	34575568	Pharmaceutics	WB
Linjie Lv	25203445	Hepatology	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

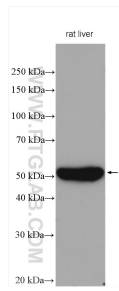
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

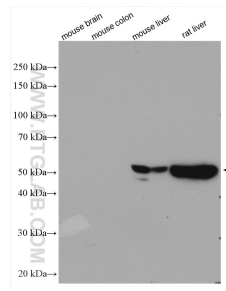
E: proteintech@ptglab.com
W: ptglab.com

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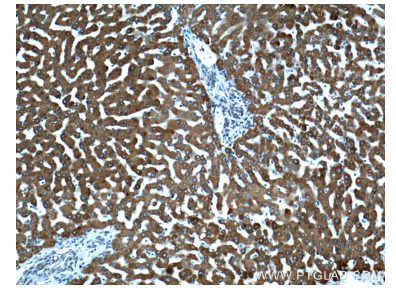
Données de validation sélectionnées



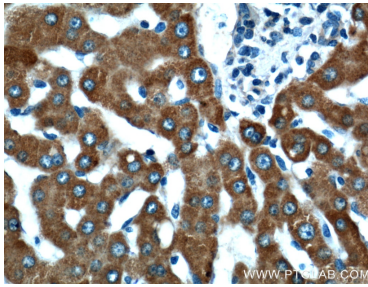
Rat liver tissue was subjected to SDS PAGE followed by western blot with 18227-1-AP (CYP3A4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 18227-1-AP (CYP3A4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours (mouse brain tissue and mouse colon tissue are negative control).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18227-1-AP (CYP3A4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18227-1-AP (CYP3A4 Antibody) at dilution of 1:200 (under 40x lens).