

For Research Use Only

CYP1A1 Polyclonal antibody

Catalog Number: 13241-1-AP

Featured Product

92 Publications



Basic Information

Catalog Number:

13241-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3990

GenBank Accession Number:

BC023019

GeneID (NCBI):

1543

UNIPROT ID:

P04798

Full Name:

cytochrome P450, family 1, subfamily A, polypeptide 1

Calculated MW:

512 aa, 58 kDa

Observed MW:

50-58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse, rat, pig, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse liver tissue, HepG2 cells, mouse cerebellum tissue, mouse lung tissue, rat liver tissue

IP: mouse lung tissue,

IHC: human breast cancer tissue,

IF/ICC: HeLa cells,

Notable Publications

Author	Pubmed ID	Journal	Application
S��verine A Degrelle	36179647	Environ Int	WB,IF
Li-Xing Tian	32935470	FEBS Open Bio	WB
Xiaowen Wang	31543430	J Dermatol Sci	WB

Storage

Storage:

Store at -20  C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20  C storage

*** 20ul sizes contain 0.1% BSA

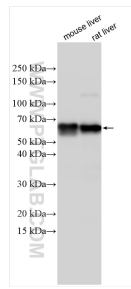
For technical support and original validation data for this product please contact:

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

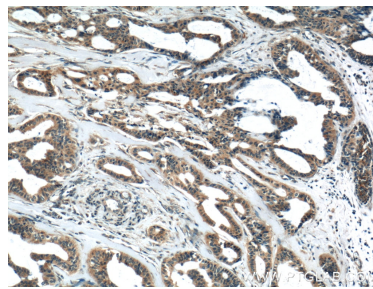
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

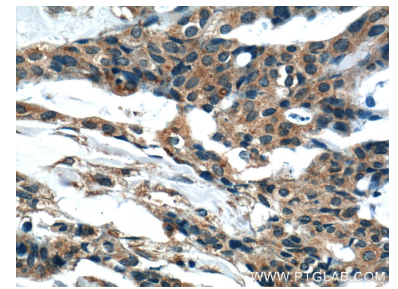
Selected Validation Data



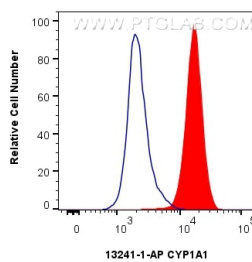
Various lysates were subjected to SDS PAGE followed by western blot with 13241-1-AP (CYP1A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



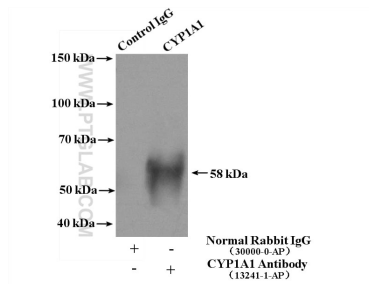
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13241-1-AP (CYP1A1 Antibody) at dilution of 1:200 (under 10x lens).



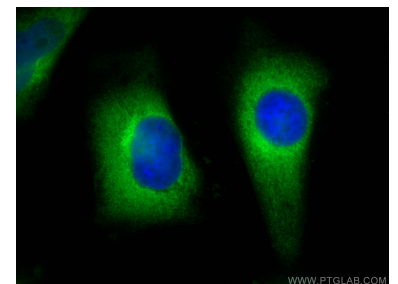
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13241-1-AP (CYP1A1 Antibody) at dilution of 1:200 (under 40x lens).



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug CYP1A1 Polyclonal antibody (13241-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-CYP1A1 (IP:13241-1-AP, 4ug; Detection:13241-1-AP 1:1000) with mouse lung tissue lysate 3600ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CYP1A1 antibody (13241-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).