

For Research Use Only

CYP1A1 Polyclonal antibody

Catalog Number: 13241-1-AP

Featured Product

96 Publications



Basic Information

Catalog Number:

13241-1-AP

Concentration:

900 ug/ml

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

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

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,

FC (Intra): Jurkat cells,

Background Information

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

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

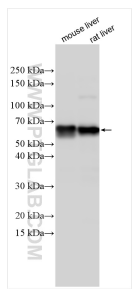
T: 4006900926

E: Proteintech-CN@ptglab.com

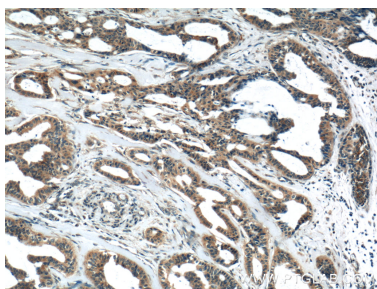
W: ptgcn.com

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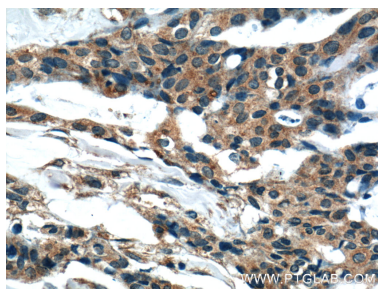
Selected Validation Data



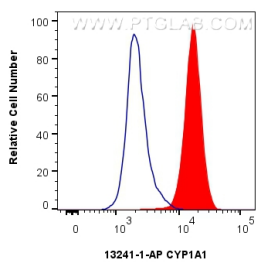
Various lysates were subjected to SDS PAGE followed by western blot with 13241-1-AP (CYP1A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



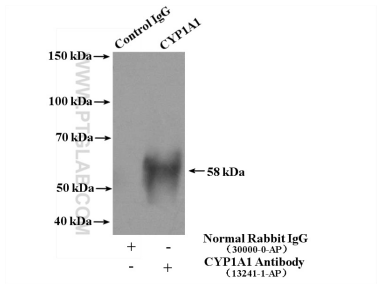
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13241-1-AP (CYP1A1 Antibody) at dilution of 1:200 (under 10x lens).



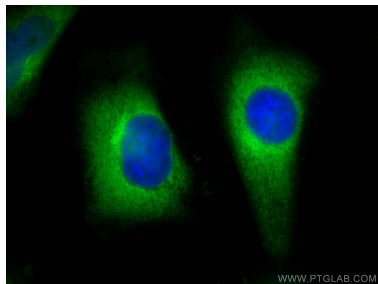
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13241-1-AP (CYP1A1 Antibody) at dilution of 1:200 (under 40x lens).



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).