CYP1A1 Polyclonal antibody
Catalog Number: 13241-1-AP

Basic Information
Catalog Number: 13241-1-AP
Size: 150UL, Concentration: 500 μg/ml by Nanodrop and 187 μg/ml by Bradford method using BSA as the standard.
Source: Rabbit
IgG
Immunogen Catalog Number: AG3990

GenBank Accession Number: BC023019
GeneID (NCBI): 1543
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 1:500-1:2000
IP 0.5-4.0 μg for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:10-1:100

Applications
Tested Applications:
FC, IF, IHC, IP, WB, ELISA
Cited Applications:
IF, IHC, WB
Species Specificity:
human, mouse
Cited Species:
human, mouse

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 cerebellum tissue, mouse lung tissue, HepG2 cells, HeLa cells, K-562 cells
IP: mouse lung tissue,
IHC: human breast cancer tissue,
IF: HeLa cells,

Background Information
Notable Publications

Author | Pubmed ID | Journal | Application
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Li-Xing Tian | 32935670 | FEBs Open Bio | WB
Xiaowen Wang | 31543430 | J Dermatol Sci | WB
Haifeng Zhou | 33097022 | BMC Pulm Med | WB

Storage
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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: proteintechn@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

Mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 13241-1-AP (CYP1A1 antibody) at dilution of 1:1000 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).


Immunofluorescent analysis of HeLa cells using 13241-1-AP (CYP1A1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

1X10^6 Jurkat cells were stained with 0.5ug CYP1A1 antibody (13241-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 5% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Plot P03, gated on P01_R1

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