

For Research Use Only

CYP2W1 Monoclonal antibody

Catalog Number: 67419-1-Ig

Featured Product



Basic Information

Catalog Number:	67419-1-Ig	GenBank Accession Number:	BC025761	Purification Method:	Protein G purification
Size:	150ul, Concentration: 2000 ug/ml by Nanodrop;	GeneID (NCBI):	54905	CloneNo.:	2B10H2
Source:	Mouse	UNIPROT ID:	Q8TAV3	Recommended Dilutions:	WB 1:5000-1:30000 IHC 1:1000-1:4000 IF/ICC 1:200-1:800
Isotype:	IgG1	Full Name:	cytochrome P450, family 2, subfamily W, polypeptide 1		
Immunogen Catalog Number:	AG29982	Calculated MW:	54 kDa		
		Observed MW:	45-54 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB :	HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, RAW 264.7 cells
Note-IHC:	suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC :	human colon cancer tissue,
		IF/ICC :	HepG2 cells,

Background Information

Cytochrome P450s have been proposed to be of importance both in carcinogenesis, by activating precarcinogens, and as determinants of cancer chemotherapy, where they participate in activation or inactivation of anti-cancer drugs. CYP2W1 is exclusively expressed in transformed tissue in the adult human, mainly in colon tumors. It is a potential drug target in cancer therapy. CYP2W1 has a molecular weight of 52-54 kDa, and 30/45 kDa of potential isoforms.

Storage

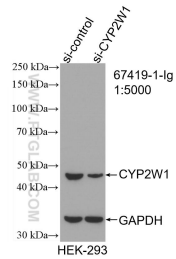
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

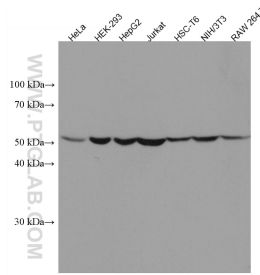
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

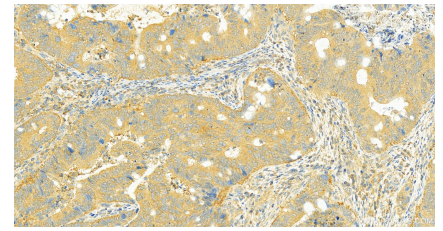
Selected Validation Data



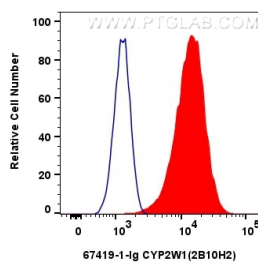
WB result of CYP2W1 antibody (67419-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CYP2W1 transfected HEK-293 cells.



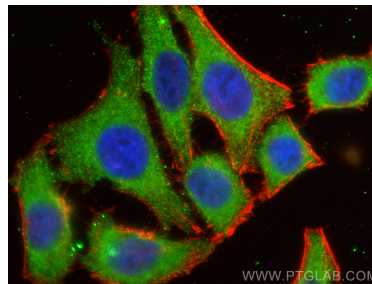
Various lysates were subjected to SDS PAGE followed by western blot with 67419-1-Ig (CYP2W1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded colon cancer slide using 67419-1-Ig (CYP2W1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HUVEC cells were intracellularly stained with 0.4 ug CYP2W1 Monoclonal antibody (67419-1-Ig, Clone:2B10H2) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CYP2W1 antibody (67419-1-Ig, Clone: 2B10H2) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).