

For Research Use Only

EPHX2 Monoclonal antibody

Catalog Number: 67322-1-Ig **Featured Product**



Basic Information

Catalog Number: 67322-1-Ig	GenBank Accession Number: BC013874	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2053	CloneNo.: 4H6C8
Source: Mouse	UNIPROT ID: P34913	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:2000-1:8000 IF/ICC 1:200-1:800
Isotype: IgG2b	Full Name: epoxide hydrolase 2, cytoplasmic	
Immunogen Catalog Number: AG4870	Calculated MW: 63 kDa	
	Observed MW: 56-63 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, pig

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 : LNCaP cells, A549 cells, Jurkat cells, pig liver tissue

IHC : human breast cancer tissue,

IF/ICC : A549 cells,

Background Information

EPHX2(Epoxide hydrolase 2) acts on epoxides (alkene oxides, oxiranes) and arene oxides and plays a role in xenobiotic metabolism by degrading potentially toxic epoxides. A number of single nucleotide polymorphisms (SNPs) in human EPHX2 have been linked to cardiovascular disease risk, including increased risk of coronary heart disease, hyperlipoproteinemia, and type-2 diabetes (PMID: 14732757, 16595607, 14673705, 15845398, 17460077). It was observed in many tissues with the band of 63 kDa in the western blot. It has also been reported that the N-terminal domain might promote dimerization of EPHX2 (PMID:21553642).

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**

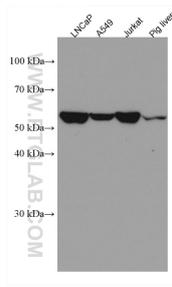
For technical support and original validation data for this product please contact:

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

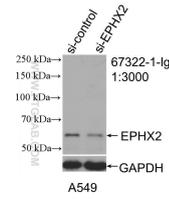
E: proteintech@ptglab.com
W: ptglab.com

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

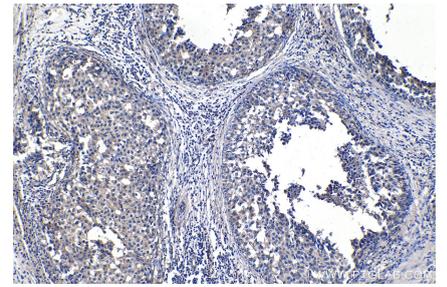
Selected Validation Data



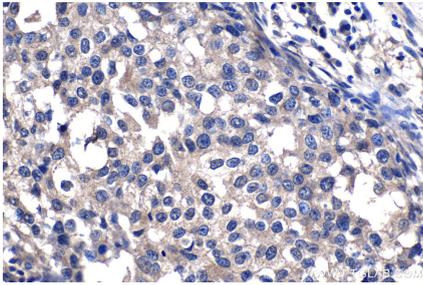
Various lysates were subjected to SDS PAGE followed by western blot with 67322-1-Ig (EPHX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



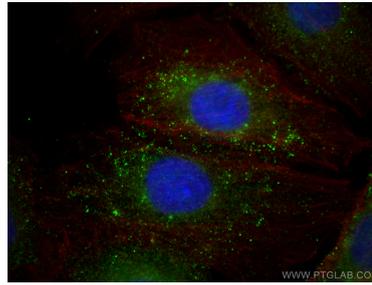
WB result of EPHX2 antibody (67322-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EPHX2 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67322-1-Ig (EPHX2 antibody) at dilution of 1:4000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67322-1-Ig (EPHX2 antibody) at dilution of 1:4000 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using EPHX2 antibody (67322-1-Ig, Clone: 4H6C8) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).