

For Research Use Only

EPHX2 Recombinant monoclonal antibody

Catalog Number:86790-1-RR



Basic Information

Catalog Number: 86790-1-RR	GenBank Accession Number: BC013874	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2053	CloneNo.: 251753F4
Source: Rabbit	UNIPROT ID: P34913	Recommended Dilutions: WB: 1:1000-1:6000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: epoxide hydrolase 2, cytoplasmic	
Immunogen Catalog Number: AG1283	Calculated MW: 63 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : U-937 cells, HEK-293 cells, A549 cells, LNCaP cells, Jurkat cells, mouse colon tissue IP : mouse colon tissue,

Background Information

EPHX2(Epoxyde 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). Negative expression of EPHX2 protein in U-937 cells is consistent with the predicted expression pattern.

Storage

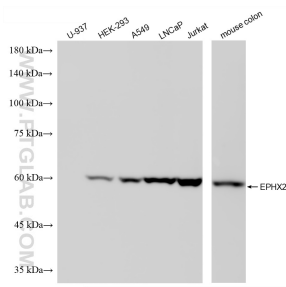
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

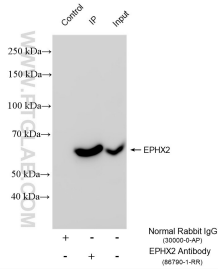
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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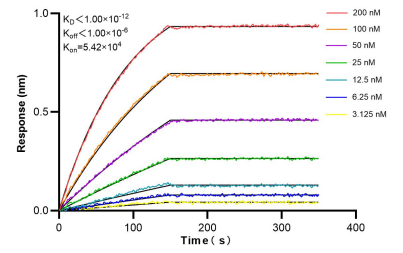
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86790-1-RR (EPHX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-EPHX2 (IP:86790-1-RR, 4ug; Detection:86790-1-RR 1:600) with mouse colon tissue lysate 1480 ug.



Bi-layer interferometry (BLI) kinetic assays of 86790-1-RR against Human EPHX2 were performed. The affinity constant is below 1 pM.