

For Research Use Only

EPHX2 Recombinant monoclonal antibody, PBS Only

Catalog Number:86790-1-PBS



Basic Information

Catalog Number: 86790-1-PBS	GenBank Accession Number: BC013874	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2053	CloneNo.: 251753F4
Isotype: IgG	UNIPROT ID: P34913	
Immunogen Catalog Number: AG1283	Full Name: epoxide hydrolase 2, cytoplasmic	
	Calculated MW: 63 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse

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

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

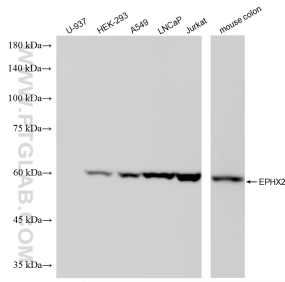
T: 4006900926

E: Proteintech-CN@ptglab.com

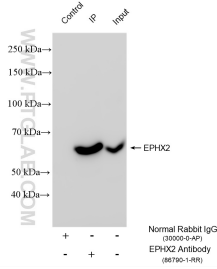
W: ptgcn.com

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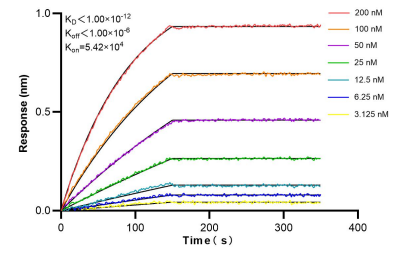
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86790-1-RR (EPHX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86790-1-PBS in a different storage buffer formulation.



IP result of anti-EPHX2 (IP:86790-1-RR, 4ug; Detection:86790-1-RR 1:600) with mouse colon tissue lysate 1480 ug. This data was developed using the same antibody clone with 86790-1-PBS in a different storage buffer formulation.



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