EPHX2 (PT2147R) PT™ Rabbit mAb

CatalogNo: YM960439 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 63kD (Calculated)

63kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000

Basic Information

Clonality	Monoclonal
Clone Number	PT2147R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous

Target Information

Gene name EPHX2

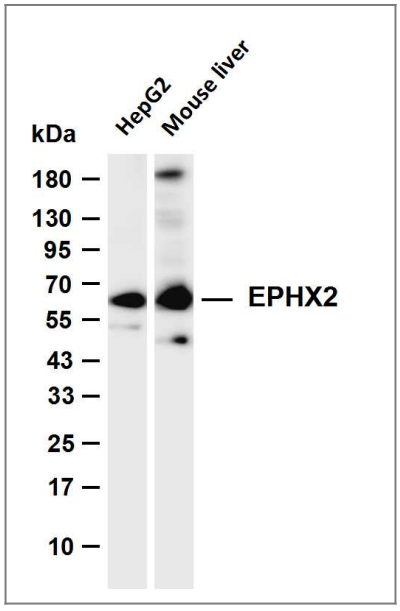
Protein Name Bifunctional epoxide hydrolase 2 [Includes: Cytosolic epoxide hydrolase 2 (CEH) (Epoxide hydratase) (Soluble epoxide hydrolase) (SEH) ; Lipid-phosphate phosphatase (EC 3.1.3.76)]

Organism	Gene ID	UniProt ID
Human	2053;	P34913;
Mouse	13850;	P34914;
Rat	65030;	P80299;

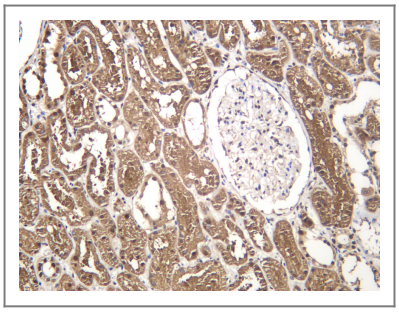
Cellular Localization Cytoplasm. Peroxisome.

Function Bifunctional enzyme . The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides , oxiranes) and arene oxides . Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity) . Also determines steady-state levels of physiological mediators . ; Bifunctional enzyme . The N-terminal domain has lipid phosphatase activity , with the highest activity towards threo-9 ,10-phosphonooxy-hydroxy-octadecanoic acid , followed by erythro-9 ,10-phosphonooxy-hydroxy-octadecanoic acid , 12-phosphonooxy-octadec-9Z-enoic acid and 12-phosphonooxy-octadec-9E-enoic acid . Has phosphatase activity toward lyso-glycerophospholipids with also some lower activity toward lysolipids of sphingolipid and isoprenoid phosphates .

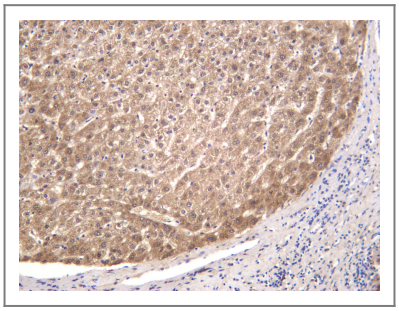
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-EPHX2 (PT2147R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: Mouse liver Predicted band size: 63kDa Observed band size: 63kDa



Human kidney was stained with anti-EPHX2 (PT2147R) Rabbit antibody



Human liver was stained with anti-EPHX2 (PT2147R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
EPHX2 (PT2147R) PT™ Rabbit mAb

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