

Human Epoxide Hydrolase 1/EPHX1 antibody

Catalog Number: ATGA0143

PRODUCT INFORMATION

Catalog number

ATGA0143

Clone No.

AT2E5

Product type

Monoclonal Antibody

UnitProt No.

P07099

NCBI Accession No.

NP_000111

Alternative Names

Epoxide hydrolase 1, Epoxide hydrolase 1 microsomal (xenobiotic), MEH, EPHX, EPOX

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human EPHX1 (21-455aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

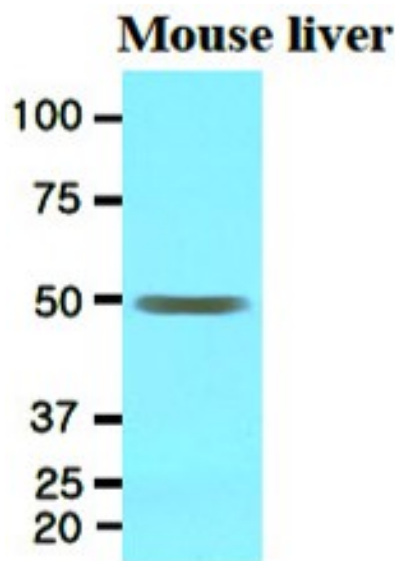
Epoxide hydrolase 1 (EPHX1) is a family of biotransformation enzyme which is involved in the hydrolysis of various epoxides and epoxide intermediates. Epoxide hydrolase plays an important role in both the activation and detoxification of exogenous chemicals such as polycyclic aromatic hydrocarbons.

General References

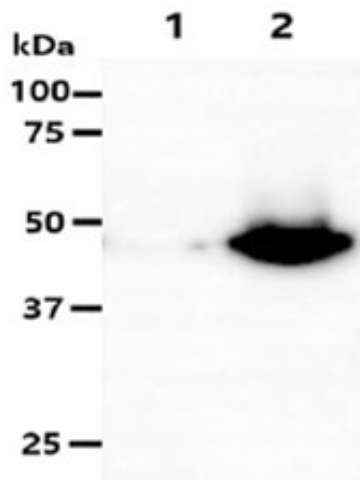
- Bertvan Loo, et al., (2006) Appl Environ Microbiol 72(4):2905-2917.
- Janet K.C, et al., (2001) The Histochemical Journal 33:329-336.
- Hassett C, et al., (1994) Genomics 23(2):433-442.

DATA

Western blot analysis (WB)



The tissue lysate(30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHX1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: Mouse Liver Tissue lysate

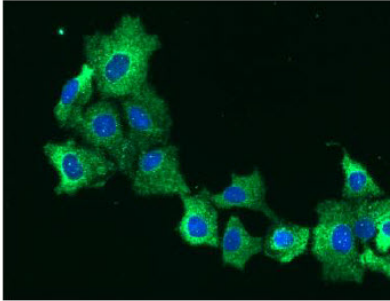


The cell lysates(10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHX1 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: EPHX1 Transfected 293T cell lysate

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Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of EPHX1 in Hep3B cells. The cell was stained with ATGA0143 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).