10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-EPHX2 Picoband Antibody

Catalog # ABO10225

Specification

Anti-EPHX2 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P34913
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Bifunctional epoxide hydrolase 2(EPHX2) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-EPHX2 Picoband Antibody - Additional Information

Gene ID 2053

Other Names
Bifunctional epoxide hydrolase 2, Cytosolic epoxide hydrolase 2, CEH, 3.3.2.10, Epoxide hydratase, Soluble epoxide hydrolase, SEH, Lipid-phosphate phosphatase, 3.1.3.76, EPHX2

Calculated MW
62616 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Cytoplasm. Peroxisome.

Protein Name
Bifunctional epoxide hydrolase 2

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human EPHX2 (505-543aa QHMEDWIPHLKRGHIEDCGHWTQMDKPTEVNQILIKWLD), different from the related mouse sequence by seven amino acids, and from the related rat sequence by eight amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-EPHX2 Picoband Antibody - Protein Information

Name EPHX2 (HGNC:3402)

Function
Bifunctional enzyme (PubMed:12574510). The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:12574510, PubMed:12869654, PubMed:22798687). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady- state levels of physiological mediators (PubMed:12574510, PubMed:12869654, PubMed:21217101, PubMed:22798687).

Cellular Location
Cytoplasm. Peroxisome.

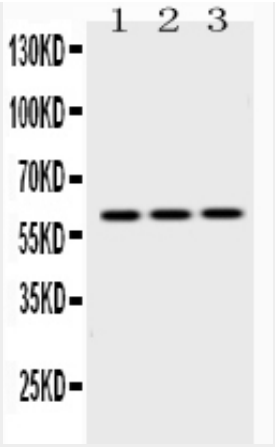
Anti-EPHX2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EPHX2 Picoband Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Western blot analysis of EPHX2 expression in rat lung extract (lane 1), mouse lung extract (lane 2) and HEPG2 whole cell lysates (lane 3). EPHX2 at 62KD was detected using rabbit anti- EPHX2 Antigen Affinity purified polyclonal antibody (Catalog # ABO10225) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-EPHX2 Picoband Antibody - Background

Soluble epoxide hydrolase (sEH) is a bifunctional enzyme that in humans is encoded by the EPHX2 gene. It is mapped to 8p21.2-p21.1. This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described.