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EPHX1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12223a

Specification

EPHX1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P07099

EPHX1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 2052

Other Names
Epoxide hydrolase 1, Epoxide hydratase, Microsomal epoxide hydrolase, EPHX1, EPHX, EPOX

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EPHX1 Antibody (N-term) Blocking peptide - Protein Information

Name EPHX1 (HGNC:3401)

Synonyms EPHX, EPOX

Function
Biotransformation enzyme that catalyzes the hydrolysis of arene and aliphatic epoxides to less reactive and more water soluble dihydrodiols by the trans addition of water (By similarity). Plays a role in the metabolism of endogenous lipids such as epoxide-containing fatty acids (PubMed:22798687). Metabolizes the abundant endocannabinoid 2-arachidonoylglycerol (2-AG) to free arachidonic acid (AA) and glycerol (PubMed:24958911).

Cellular Location
Microsome membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P07687}; Single-pass type III membrane protein {ECO:0000250|UniProtKB:P07687}

Tissue Location
Found in liver..

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EPHX1 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

EPHX1 Antibody (N-term) Blocking peptide - Images

EPHX1 Antibody (N-term) Blocking peptide - Background

Epoxide hydrolase is a critical biotransformation enzymethat converts epoxides from the degradation of aromatic compoundsto trans-dihydrodiols which can be conjugated and excreted from thebody. Epoxide hydrolase functions in both the activation anddetoxification of epoxides. Mutations in this gene causepreeclampsia, epoxide hydrolase deficiency or increased epoxidehydrolase activity. Alternatively spliced transcript variantsencoding the same protein have been found for this gene.

EPHX1 Antibody (N-term) Blocking peptide - References

Pande, M., et al. Mol. Carcinog. 49(11):974-980(2010)Schelleman, H., et al. Br J Clin Pharmacol 70(3):393-399(2010)Chauhan, P.S., et al. DNA Cell Biol. (2010) In press :Ihsan, R., et al. J. Gastroenterol. Hepatol. 25(8):1456-1462(2010)Wang, X., et al. PLoS ONE 5 (8), E11934 (2010) :