

KD-Validated Anti-Epoxyde Hydrolase 1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2036

Product Information

Application	WB
Primary Accession	P07099
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB8230
Calculated MW	52949
Gene Name	EPHX1
Aliases	EPHX1; Epoxide Hydrolase 1; EPHX; Epoxide Hydrolase 1, Microsomal (Xenobiotic); Epoxide Hydratase; EPOX; MEH; Epoxide Hydrolase 1 Microsomal; Microsomal Epoxide Hydrolase; EC 3.3.2.9; HYL1
Immunogen	Recombinant protein of human EPHX1

Additional Information

Gene ID	2052
Other Names	Epoxide hydrolase 1, 3.3.2.9, EPHX1 (HGNC:3401), EPHX, EPOX

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). Binds 20(S)-hydroxycholesterol (20(S)-OHC) (By similarity).
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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