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EPHX1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant EPHX1.
Catalog # AT1927a

Product Information

Application	E
Primary Accession	P07099
Other Accession	BC008291
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E8
Calculated MW	52949

Additional Information

Gene ID	2052
Other Names	Epoxide hydrolase 1, Epoxide hydratase, Microsomal epoxide hydrolase, EPHX1, EPHX, EPOX
Target/Specificity	EPHX1 (AAH08291, 141 a.a. ~ 240 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	EPHX1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

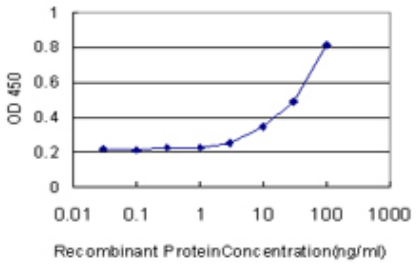
Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. Epoxide hydrolase functions in both the activation and detoxification of epoxides. Mutations in this gene cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

References

Association of Glutathione S-Transferase, EPHX, and p53 codon 72 Gene Polymorphisms with Adult Acute

Myeloid Leukemia. Chauhan PS, et al. DNA Cell Biol, 2010 Aug 23. PMID 20731606.New genetic variant that might improve warfarin dose prediction in African Americans. Schelleman H, et al. Br J Clin Pharmacol, 2010 Sep. PMID 20716240.Genetic variation and antioxidant response gene expression in the bronchial airway epithelium of smokers at risk for lung cancer. Wang X, et al. PLoS One, 2010 Aug 3. PMID 20689807.Role of epoxide hydrolase 1 gene polymorphisms in esophageal cancer in a high-risk area in India. Ihsan R, et al. J Gastroenterol Hepatol, 2010 Aug. PMID 20659238.Influence of GSTs, CYP2E1 and mEH polymorphisms on 1, 3-butadiene-induced micronucleus frequency in Chinese workers. Tan H, et al. Toxicol Appl Pharmacol, 2010 Sep 15. PMID 20637790.

Images



Detection limit for recombinant GST tagged EPHX1 is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.