

**EPHX1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant EPHX1.****Catalog # AT1927a****Specification**

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**EPHX1 Antibody (monoclonal) (M01) - Product Information**

Application	<b>E</b>
Primary Accession	<a href="#">P07099</a>
Other Accession	<a href="#">BC008291</a>
Reactivity	<b>Human</b>
Host	<b>mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a Kappa</b>
Calculated MW	<b>52949</b>

**EPHX1 Antibody (monoclonal) (M01) - 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.

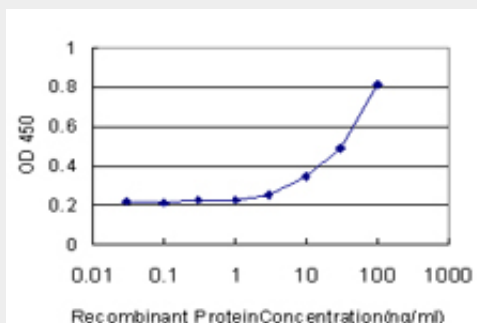
**EPHX1 Antibody (monoclonal) (M01) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### EPHX1 Antibody (monoclonal) (M01) - Images



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

### EPHX1 Antibody (monoclonal) (M01) - 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.

### EPHX1 Antibody (monoclonal) (M01) - 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.