

Rabbit EPHX1 Polyclonal Antibody | anti-EPHX1 antibody

EPHX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326561	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

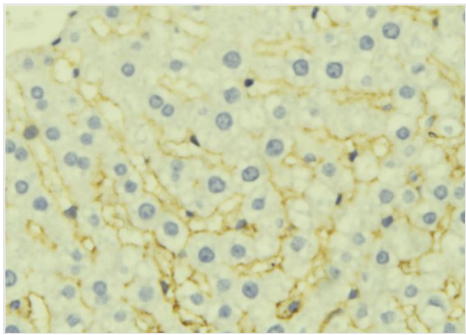
PRODUCT SYNONYMS

EPHX1; Polyclonal Antibody; EPHX1 Antibody; EPHX 1; EPHX; Ephx1; EPOX; Epoxide hydratase; Epoxide hydrolase 1; Epoxide hydrolase 1 microsomal (xenobiotic); Epoxide hydroxylase 1; Epoxide hydroxylase 1 microsomal (xenobiotic); HYPE_HUMAN; HYL1; MEH; Microsomal epoxide hydrolase; anti-EPHX1 antibody

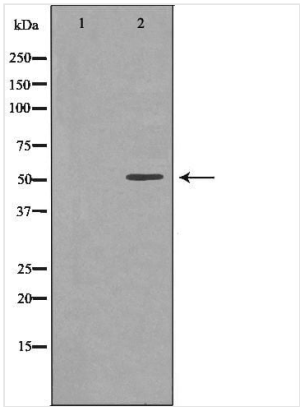
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EPHX1 antibody detects endogenous levels of total EPHX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	455
Applicable Applications for anti-EPHX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPHX1
Subcellular Location	Microsome membrane. Endoplasmic Reticulum Membrane.
Tissue Specificity	Found in liver.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (90%), Horse (100%), Sheep (100%), Rabbit (90%), Dog (90%), Chicken (100%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326561 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HeLa whole cell lysates, using EPHX1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHX1 antibody	Description: 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.[provided by RefSeq, Dec 2008] 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). May play a role in the metabolism of endogenous lipids such as epoxide-containing fatty acids (PubMed:22798687). Similarity: Belongs to the peptidase S33 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503583
NCBI GeneID	2052
NCBI Accession #	NP_000111.1
NCBI GenBank Nucleotide #	NM_000120.3
UniProt Accession #	P07099; Q5VTJ6; Q9NP75; Q9NPE7; Q9NQU6; Q9NQU7; Q9NQU8; Q9NQU9; Q9NQV0; Q9NQV1; Q9NQV2; B2R8N0
Molecular Weight	Observed: 53 kDa Predicted: 53 kDa
NCBI Official Full Name	epoxide hydrolase 1
NCBI Official Synonym Full Names	epoxide hydrolase 1
NCBI Official Symbol	EPHX1
NCBI Official Synonym Symbols	MEH; EPHX; EPOX; HYL1
NCBI Protein Information	epoxide hydrolase 1
UniProt Protein Name	Epoxide hydrolase 1
UniProt Gene Name	EPHX1
UniProt Synonym Gene Names	EPHX; EPOX; mEHCurated

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ephx1-antibody-immunohistochemistry-western-blot-elisa/326561>