

Rabbit EPHX2 Polyclonal Antibody | anti-EPHX2 antibody

Anti-EPHX2 Antibody

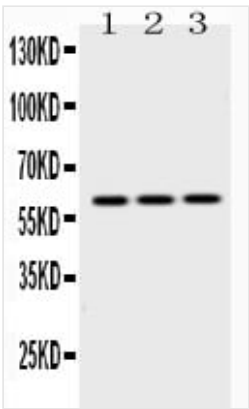
CATALOG # AAA46737	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

EPHX2; Polyclonal Antibody; Anti-EPHX2 Antibody; CEH; SEH; P34913; Bifunctional epoxide hydrolase 2; epoxide hydrolase 2; anti-EPHX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	502
Applicable Applications for anti-EPHX2 antibody	WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human EPHX2 (505-543aa QHMEDWIPHLKRGHIEDCGHWTQMDKPTEVNQILIKWLD), different from the related mouse sequence by seven amino acids, and from the related rat sequence by eight amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Western blot analysis of EPHX2 expression in rat lung extract (lane 1), mouse lung extract (lane 2) and HEPG2 whole cell lysates (lane 3). EPHX2 at 62KD was detected using rabbit anti- EPHX2 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHX2 antibody	Rabbit IgG polyclonal antibody for Bifunctional epoxide hydrolase 2(EPHX2) detection. Background: Soluble epoxide hydrolase (sEH) is a bifunctional enzyme that in humans is encoded by the EPHX2 gene. It is mapped to 8p21.2-p21.1. This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described.
References	1. "Entrez Gene: Epoxide hydrolase 2, cytoplasmic". 2. Morisseau C, Hammock BD (2013). "Impact of soluble epoxide hydrolase and epoxyeicosanoids on human health".Annu. Rev. Pharmacol. Toxicol. 53: 37-58. 3. Lee CR, North KE, Bray MS, Fornage M, Seubert JM, Newman JW, Hammock BD, Couper DJ, Heiss G, Zeldin DC (May 2006). "Genetic variation in soluble epoxide hydrolase (EPHX2) and risk of coronary heart disease: The Atherosclerosis Risk in Communities (ARIC) study". Hum. Mol. Genet.15 (10): 1640-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	374532800
NCBI GeneID	2053
NCBI Accession #	NP_001243411.1
NCBI GenBank Nucleotide #	NM_001256482.1
UniProt Accession #	P34913; Q16764; Q9HBJ1; Q9HBJ2; B2Z3B1; B3KTU8; B3KUA0; G3V134; J3KPH7
Molecular Weight	55,626 Da
NCBI Official Full Name	bifunctional epoxide hydrolase 2 isoform b
NCBI Official Synonym Full Names	epoxide hydrolase 2
NCBI Official Symbol	EPHX2
NCBI Official Synonym Symbols	CEH; SEH
NCBI Protein Information	bifunctional epoxide hydrolase 2
UniProt Protein Name	Bifunctional epoxide hydrolase 2
UniProt Gene Name	EPHX2

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/ephx2-antibody-western-blot-elisa/46737>