

**EPHX2 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22178a****Specification**

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**EPHX2 Antibody (N-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P34913</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	62616

**EPHX2 Antibody (N-Term) - Additional Information****Gene ID** 2053**Other Names**

Bifunctional epoxide hydrolase 2, Cytosolic epoxide hydrolase 2, CEH, 3.3.2.10, Epoxide hydratase, Soluble epoxide hydrolase, SEH, Lipid-phosphate phosphatase, 3.1.3.76, EPX2

**Target/Specificity**

This EPX2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 64-94 amino acids from human EPX2.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EPX2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EPHX2 Antibody (N-Term) - Protein Information****Name** EPX2 ([HGNC:3402](#))

**Function** Bifunctional enzyme (PubMed:[12574510](#)). The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:[12574510](#),

PubMed:[12869654](#), PubMed:[22798687](#)). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady- state levels of physiological mediators (PubMed:[12574510](#), PubMed:[12869654](#), PubMed:[21217101](#), PubMed:[22798687](#)).

#### Cellular Location

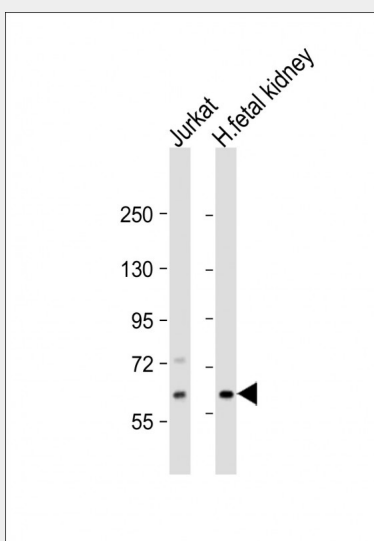
Cytoplasm. Peroxisome.

### EPHX2 Antibody (N-Term) - 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](#)

### EPHX2 Antibody (N-Term) - Images



All lanes : Anti-EPHX2 Antibody (N-Term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: human fetal kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### EPHX2 Antibody (N-Term) - Background

Bifunctional enzyme. The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides. Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides. Also determines steady-state levels of physiological mediators. The N-terminal domain has lipid phosphatase activity, with the highest activity towards threo-9,10-phosphonooxy-hydroxy-octadecanoic acid, followed by erythro-9,10-phosphonooxy-hydroxy-octadecanoic acid, 12-phosphonooxy- octadec-9Z-enoic acid, 12-phosphonooxy-octadec-9E-enoic acid, and p-nitrophenyl phosphate.

**EPHX2 Antibody (N-Term) - References**

Beetham J.K.,et al.Arch. Biochem. Biophys. 305:197-201(1993).  
Sandberg M.,et al.Biochem. Biophys. Res. Commun. 221:333-339(1996).  
Sandberg M.,et al.J. Biol. Chem. 275:28873-28881(2000).  
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).