

**Goat Anti-EPHX2 Antibody (internal region)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4247a**

**Specification**

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**Goat Anti-EPHX2 Antibody (internal region) - Product Information**

|                   |  |
|-------------------|--|
| Application       | <b>WB</b>  |
| Primary Accession | <a href="#">P34913</a>   |
| Other Accession   | <a href="#">NP_001970.2</a> , <a href="#">NP_001243411.1</a> ,<br><a href="#">NP_001243412.1</a> |
| Reactivity        | <b>Human</b>   |
| Predicted         | <b>Human</b>   |
| Host              | <b>Goat</b>  |
| Clonality         | <b>Polyclonal</b>  |
| Concentration     | <b>0.5</b>   |
| Calculated MW     | <b>62616</b>   |

**Goat Anti-EPHX2 Antibody (internal region) - Additional Information**

**Gene ID** 2053

**Other Names**

EPHX2; epoxide hydrolase 2, cytoplasmic; CEH; SEH; bifunctional epoxide hydrolase 2; epoxide hydratase; epoxide hydrolase 2, cytosolic; epoxide hydrolase, soluble

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence C-SRTFKSLFRASDES, from the internal region of the protein sequence according to [NP\\_001970.2](#); [NP\\_001243411.1](#); [NP\\_001243412.1](#).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-EPHX2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-EPHX2 Antibody (internal region) - Protein Information**

**Name** EPHX2 ([HGNC:3402](#))

**Function**

Bifunctional enzyme (PubMed:<a href="http://www.uniprot.org/citations/12574510">

target="\_blank">12574510</a>). The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:<a href="http://www.uniprot.org/citations/12574510" target="\_blank">12574510</a>, PubMed:<a href="http://www.uniprot.org/citations/12869654" target="\_blank">12869654</a>, PubMed:<a href="http://www.uniprot.org/citations/22798687" target="\_blank">22798687</a>). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady- state levels of physiological mediators (PubMed:<a href="http://www.uniprot.org/citations/12574510" target="\_blank">12574510</a>, PubMed:<a href="http://www.uniprot.org/citations/12869654" target="\_blank">12869654</a>, PubMed:<a href="http://www.uniprot.org/citations/21217101" target="\_blank">21217101</a>, PubMed:<a href="http://www.uniprot.org/citations/22798687" target="\_blank">22798687</a>).

#### Cellular Location

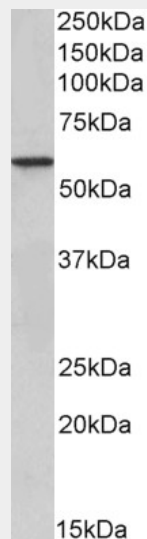
Cytoplasm. Peroxisome.

#### Goat Anti-EPHX2 Antibody (internal region) - 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](#)

#### Goat Anti-EPHX2 Antibody (internal region) - Images



AF4247a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### Goat Anti-EPHX2 Antibody (internal region) - References

Soluble epoxide hydrolase dimerization is required for hydrolase activity. Nelson JW, Subrahmanyam RM, Summers SA, Xiao X, Alkayed NJ. The Journal of biological chemistry 2013 Mar

288 (11): 7697-703.