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Goat Anti-EPHX2 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4243a

Specification

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

Application	**WB**
Primary Accession	P34913
Other Accession	NP_001970.2, NP_001243411.1, NP_001243412.1
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**62616**

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-SHGYVTVKPRVRLH, 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). The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:12869654, PubMed:12574510, PubMed:22798687). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady- state levels of physiological mediators (PubMed:12869654, PubMed:12574510, PubMed:22798687, PubMed:21217101).

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 Cytomety
- Cell Culture

Goat Anti-EPHX2 Antibody (internal region) - Images



AF4243a (0.3 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, Subrahmanyan RM, Summers SA, Xiao X, Alkayed NJ. The Journal of biological chemistry 2013 Mar

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