

**SEH / EPHX2 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11045****Specification**

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**SEH / EPHX2 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">P34913</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63kDa KDa

**SEH / EPHX2 Antibody (Internal) - 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, EPHX2

**Target/Specificity**

Human EPHX2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except RHOBTB2 (44%), RHOBTB1 (44%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

SEH / EPHX2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**SEH / EPHX2 Antibody (Internal) - 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

<http://www.uniprot.org/citations/22798687>

#### Cellular Location

Cytoplasm. Peroxisome.

#### Volume

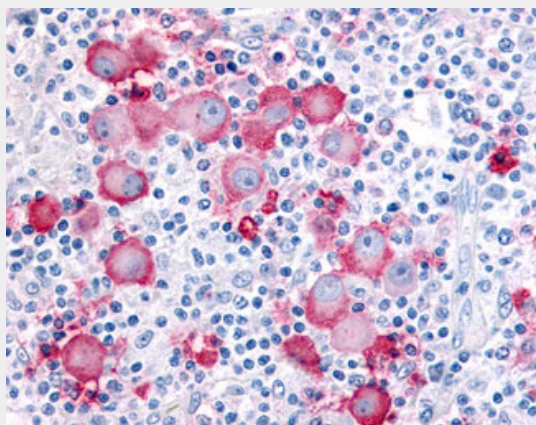
50  $\mu$ l

### SEH / EPHX2 Antibody (Internal) - Protocols

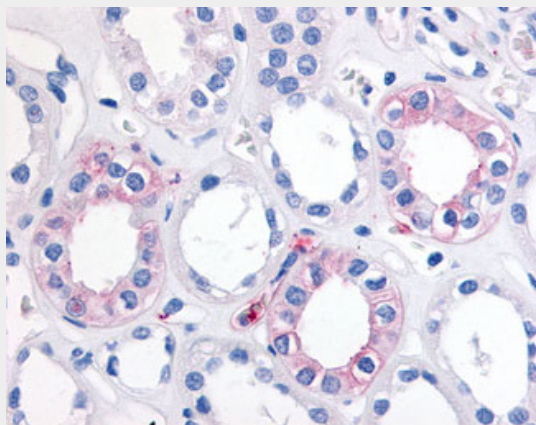
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SEH / EPHX2 Antibody (Internal) - Images



Anti-SEH / EPHX2 antibody IHC of human Skin, Melanoma.



Anti-EPHX2 antibody ALS11045 IHC of human kidney.

**SEH / EPHX2 Antibody (Internal) - 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-phosphonoxy-hydroxy-octadecanoic acid, followed by erythro-9,10-phosphonoxy-hydroxy-octadecanoic acid, 12-phosphonoxy-octadec-9Z-enoic acid, 12-phosphonoxy-octadec-9E-enoic acid, and p-nitrophenyl phosphate.

**SEH / EPHX2 Antibody (Internal) - 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).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).