

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

SEH / EPHX2 Antibody (Internal) - Product Information

Application	IHC-P
Primary Accession	P34913
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63kDa KDa
Dilution	IHC-P~~N/A

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: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:12869654, PubMed:12869654).

href="http://www.uniprot.org/citations/21217101" target="_blank">21217101, PubMed:22798687).

Cellular Location

Cytoplasm. Peroxisome.

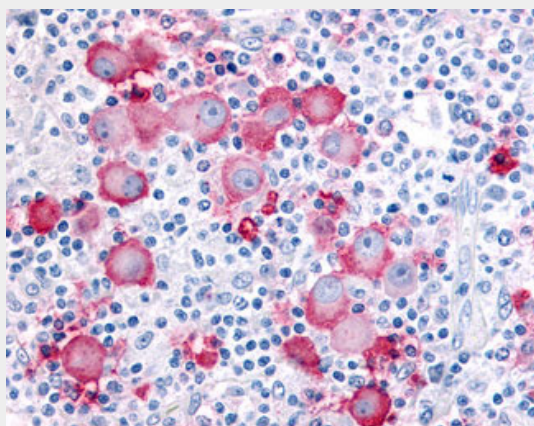
Volume

50 µl

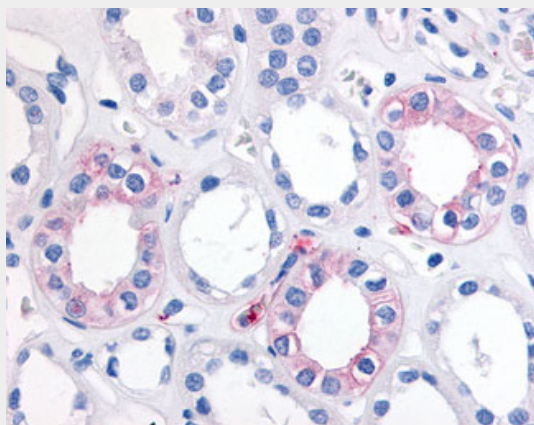
SEH / EPHX2 Antibody (Internal) - Protocols

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-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.

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).