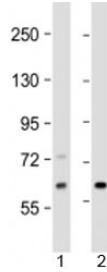


EPHX2 Antibody (F53972)

Catalog No.	Formulation	Size
F53972-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53972-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P34913
Applications	Western Blot : 1:1000-2000
Limitations	This EPHX2 antibody is available for research use only.



Western blot testing of human 1) Jurkat and 2) human fetal kidney lysate with EPHX2 antibody at 1:2000. Predicted molecular weight: 63/57 kDa (isoforms 1/2).

Description

Epoxide hydrolase 2 is a 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.

Application Notes

Titration of the EPHX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 64-94 from the human protein was used as the immunogen for the EPHX2 antibody.

Storage

Aliquot the EPHX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.