

For Research Use Only

Biotin-conjugated EPHX2 Polyclonal antibody

Catalog Number: Biotin-10833

Featured Product



Basic Information

Catalog Number:

Biotin-10833

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1283

GenBank Accession Number:

BC013874

GeneID (NCBI):

2053

UNIPROT ID:

P34913

Full Name:

epoxide hydrolase 2, cytoplasmic

Calculated MW:

63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC: mouse brain tissue,

Background Information

EPHX2 (Epoxide hydrolase 2) acts on epoxides (alkene oxides, oxiranes) and arene oxides and plays a role in xenobiotic metabolism by degrading potentially toxic epoxides. A number of single nucleotide polymorphisms (SNPs) in human EPHX2 have been linked to cardiovascular disease risk, including increased risk of coronary heart disease, hyperlipoproteinemia, and type-2 diabetes (PMID: 14732757, 16595607, 14673705, 15845398, 17460077). It was observed in many tissues with the band of 63 kDa in the western blot. It has also been reported that the N-terminal domain might promote dimerization of EPHX2 (PMID:21553642).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

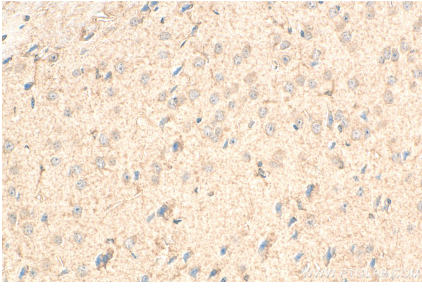
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-10833 (EPHX2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).