

EPHX2 mouse monoclonal antibody (hybridoma)

Catalog # H00002053-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant EPHX2.
Immunogen	EPHX2 (NP_001970.2, 1 a.a. ~ 555 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTLRAAVFDLDGVLALPAVFGVLGRTEEALALPRGLLNDAFQKGGPEGATTRLMKGEITLSQWIP LMEENCRKCSSETAKVCLPKNFSEIKFIDKAISARKINRPMQLAALMLRKKGFTTAILTNTWLDDRAE RDGLAQLMCELKMHFDLIESCQVGMVKPEPQYKFLDLTKASPSEVVFLDDIGANLKPARDLG MVTILVQDQDTALKELEKVTGIQLLNTPAPLPTSCNPSPDMSHGYTVKPRVRLHFVELGSGPAVCL CHGFPESWYSWRYQIPALAQAGYRVLAMDMDKGYGESSAPPEIEEYCMVLCCKEMVTFLDKLGLS QAVFIGHDWGGMLVWYMALFYPERVRAVASLNTPFIPANPNMSPLESIKANPVFDYQLYFQEPGV AEAELEQNLSTFKSLFRASDESVLMSHKVCEAGGLFVNSPEEPSLSRMVTEEEIQFYVQQFKK SGFRGPLNWYRNMERNNWKWACKSLGRKILIPALMVTAEKDFVLVPQMSQHMEDWIPHLKRGHIE DCGHWTQMDKPTEVNQILIKWLDSDARNPPVVSKM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (73)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — EPHX2

Entrez GeneID [2053](#)

GeneBank Accession# [NM_001979.4](#)

Protein Accession# [NP_001970.2](#)

Gene Name EPHX2

Gene Alias CEH, SEH

Gene Description epoxide hydrolase 2, cytoplasmic

Omim ID [132811](#) [143890](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydro diols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq]

Other Designations epoxide hydratase|epoxide hydrolase 2, cytosolic|epoxide hydrolase, soluble

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)
- [Tetrachloroethene degradation](#)

Disease

- [Asthma](#)

- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)

- [Lymphoma](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Ischemia](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Parkinson disease](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)