

Mouse anti-Human, Mouse EPHX1 Monoclonal Antibody | anti-EPHX1 antibody

EPHX1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48050	Mouse	Human, Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

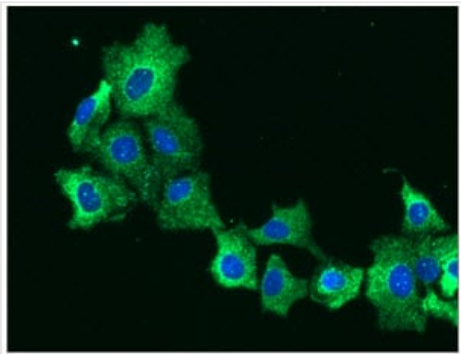
PRODUCT SYNONYMS

EPHX1; Monoclonal Antibody; EPHX1 antibody; epoxide hydrolase 1; epoxide hydrolase 1 microsomal (xenobiotic);; anti-EPHX1 antibody

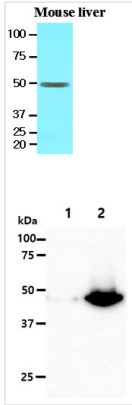
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT2E5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	455
Applicable Applications for anti-EPHX1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human EPHX1 (21-455aa) purified from E. coli
Clone Note	Anti-human EPHX1 mAb, clone AT2E5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EPHX1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of EPHX1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human EPHX1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The extracts of mouse liver (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human EPHX1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHX1 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : 293T cell lysate Lane 2 : EPHX1 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-EPHX1 antibody	Epoxide hydrolase 1 (EPHX1) is a family of biotransformation enzyme which is involved in the hydrolysis of various epoxides and epoxide intermediates. Epoxide hydrolase plays an important role in both the activation and detoxification of exogenous chemicals such as polycyclic aromatic hydrocarbons.
Product Categories/Family for anti-EPHX1 antibody	Signal Transduction
References	Bertvan Loo, et al., (2006) Appl Environ Microbiol 72 (4):2905-2917; Janet K.C, et al., (2001) The Histochemical Journal 33:329-336; Hassett C, et al., (1994) Genomics 23 (2):433-442

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503583
NCBI GeneID	2052
NCBI Accession #	NP_000111
NCBI GenBank Nucleotide #	NM_000120.3
UniProt Accession #	P07099; Q5VTJ6; Q9NP75; Q9NPE7; Q9NQU6; Q9NQU7; Q9NQU8; Q9NQU9; Q9NQV0; Q9NQV1; Q9NQV2; B2R8N0
Molecular Weight	52,949 Da
NCBI Official Full Name	epoxide hydrolase 1
NCBI Official Synonym Full Names	epoxide hydrolase 1
NCBI Official Symbol	EPHX1
NCBI Official Synonym Symbols	MEH; EPHX; EPOX; HYL1
NCBI Protein Information	epoxide hydrolase 1
UniProt Protein Name	Epoxide hydrolase 1
UniProt Gene Name	EPHX1
UniProt Synonym Gene Names	EPHX; EPOX; mEHC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ephx1-antibody-clone-at2e5-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48050>