

Rabbit EPXH2 Polyclonal Antibody | anti-EPXH2 antibody

EPXH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326441	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

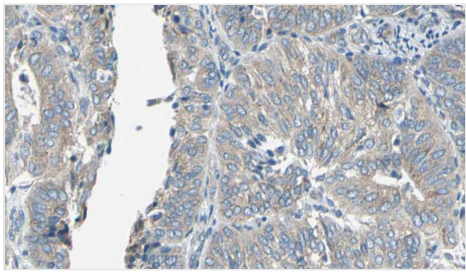
PRODUCT SYNONYMS

EPXH2; Polyclonal Antibody; EPXH2 Antibody; Bifunctional epoxide hydrolase 2; CEH; Cytosolic epoxide hydrolase; EPHX2; Epoxide hydratase; Epoxide hydrolase 2; Epoxide hydrolase 2 cytoplasmic; epoxide hydrolase 2; cytosolic; Epoxide hydrolase soluble; HYES_HUMAN; SEH; Soluble epoxide hydrolase; anti-EPXH2 antibody

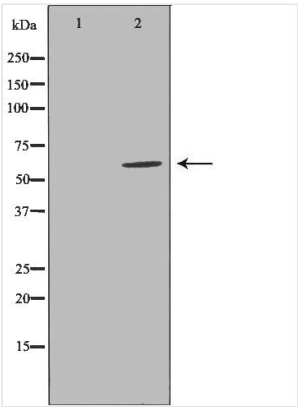
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EPXH2 antibody detects endogenous levels of total EPXH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	502
Applicable Applications for anti-EPXH2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPXH2
Subcellular Location	Cytoplasm. Peroxisome.
Tissue Specificity	By compounds that cause peroxisome proliferation such as clofibrate, tiadenol and fenofibrate.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326441 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Jurkat cell lysate, using EPXH2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EPXH2 antibody

Description: 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 dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described.

Function: Bifunctional enzyme (PubMed:12574510). The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:12869654, PubMed:12574510, PubMed:22798687). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady-state levels of physiological mediators (PubMed:12869654, PubMed:12574510, PubMed:22798687). 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 and 12-phosphonooxy-octadec-9E-enoic acid (PubMed:12574510).

Subunit Structure: Homodimer.

Post-translational Modifications: The N-terminus is blocked. The covalent modification of cysteine by 15-deoxy-Delta12, 14-prostaglandin-J2 is autocatalytic and reversible. It may occur as an alternative to other cysteine modifications, such as S-nitrosylation and S-palmitoylation (Probable).

Similarity: The N-terminal domain has phosphatase activity. The C-terminal domain has epoxide hydrolase activity. Belongs to the AB hydrolase superfamily. Epoxide hydrolase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	374532800
NCBI GeneID	2053
NCBI Accession #	NP_001243411.1
NCBI GenBank Nucleotide #	NM_001256482.1
UniProt Accession #	P34913; Q16764; Q9HBJ1; Q9HBJ2; B2Z3B1; B3KTU8; B3KUA0; G3V134; J3KPH7
Molecular Weight	Observed: 62 kDa Predicted: 63 kDa
NCBI Official Full Name	bifunctional epoxide hydrolase 2 isoform b
NCBI Official Synonym Full Names	epoxide hydrolase 2
NCBI Official Symbol	EPHX2
NCBI Official Synonym Symbols	CEH; SEH
NCBI Protein Information	bifunctional epoxide hydrolase 2

UniProt Protein Name	Bifunctional epoxide hydrolase 2
UniProt Gene Name	EPHX2
UniProt Synonym Gene Names	CEH; SEH

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/polyclonal/epxh2-antibody-immunohistochemistry-western-blot-elisa/326441>