

## ARG57094 anti-Epoide Hydrolase antibody [2E5]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [2E5] recognizes Epoxide Hydrolase
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	2E5
Isotype	IgG2a, kappa
Target Name	Epoxide Hydrolase
Species	Human
Immunogen	Recombinant fragment around aa. 21-455 of Human Epoxide Hydrolase
Conjugation	Un-conjugated
Alternate Names	EPHX; Epoxide hydratase; Epoxide hydrolase 1; EPOX; EC 3.3.2.9; MEH; Microsomal epoxide hydrolase; HYL1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

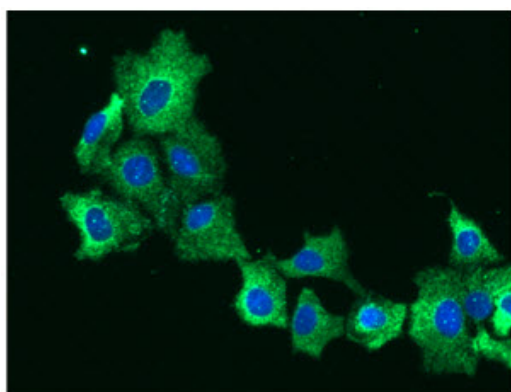
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 13849 Mouse</a>
	<a href="#">GeneID: 2052 Human</a>
	<a href="#">Swiss-port # P07099 Human</a>
	<a href="#">Swiss-port # Q9D379 Mouse</a>
Gene Symbol	EPHX1
Gene Full Name	epoxide hydrolase 1, microsomal (xenobiotic)
Background	Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. Epoxide hydrolase functions in both the activation and detoxification of epoxides. Mutations in this gene cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity. Alternatively spliced transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2008]
Function	Biotransformation enzyme that catalyzes the hydrolysis of arene and aliphatic epoxides to less reactive and more water soluble dihydrodiols by the trans addition of water. [UniProt]
Calculated Mw	53 kDa

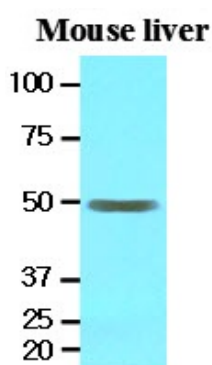
## Images



ARG57094 anti-Epoxide Hydrolase antibody [2E5] ICC/IF image

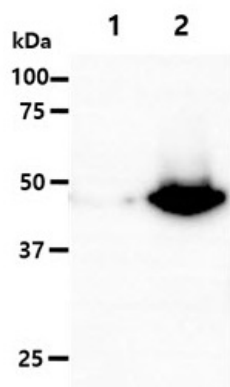
Immunofluorescence: Hep3B cells line stained with ARG57094 anti-Epoxide Hydrolase antibody [2E5] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57094 anti-Epoxide Hydrolase antibody [2E5] WB image

Western blot: 30 µg of Mouse liver lysate stained with ARG57094 anti-Epoxide Hydrolase antibody [2E5] at 1:1000.



ARG57094 anti-Epoxyde Hydrolase antibody [2E5] WB image

Western blot: 10 µg of 1) 293T, and 2) EPHX1 transfected 293T cell lysates stained with ARG57094 anti-Epoxyde Hydrolase antibody [2E5] at 1:500.