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# Product datasheet for AM09072PU-N

## Epoxide hydrolase (EPHX1) Mouse Monoclonal Antibody [Clone ID: AT2E5]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | AT2E5 |
| **Applications:** | ELISA, WB |
| **Recommended Dilution:** | **ELISA.**<br>**Western blot:** 1/1000 - 1/2000. |
| **Reactivity:** | Human, Mouse |
| **Host:** | Mouse |
| **Isotype:** | IgG2a |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Recombinant human EPHX1 (21-455 aa) purified from E. coli |
| **Specificity:** | The antibody recognizes human and mouse EPHX1. |
| **Formulation:** | PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol<br>State: Purified<br>State: Liquid purified Ig fraction |
| **Purification:** | Protein-G affinity chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | epoxide hydrolase 1 |
| **Database Link:** | Entrez Gene 13849 MouseEntrez Gene 2052 Human<br>P07099 |
| **Background:** | 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. |
| **Synonyms:** | EPHX, EPOX, Epoxide hydratase |

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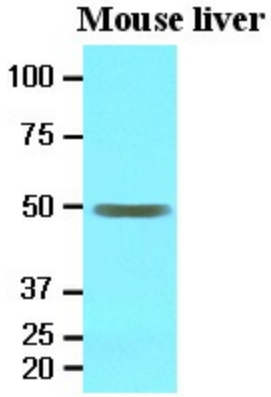
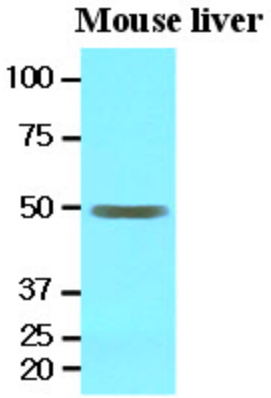
**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Metabolism of xenobiotics by cytochrome P450

## Product images:




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.




Western blot analysis: The extracts of mouse liver (30 ug) 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.