# FMO2 Mouse mAb

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| **Catalog No** | YP-mAb-18608 |
| **Isotype** | IgG |
| **Reactivity** | Human,Mouse,Rat |
| **Applications** | WB |
| **Gene Name** | FMO2 |
| **Protein Name** | Dimethylaniline monooxygenase [N-oxide-forming] 2 (Dimethylaniline oxidase 2) (FMO 1B1) (Pulmonary flavin-containing monooxygenase 2) (FMO 2) |
| **Immunogen** | Synthesized peptide derived from human FMO2 |
| **Specificity** | This antibody detects endogenous levels of FMO2 at Human, Mouse,Rat |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 59kD |
| **Cell Pathway** | Microsome membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein . |
| **Tissue Specificity** | Expressed in lung (at protein level). Expressed predominantly in lung, and at a much lesser extent in kidney. Also expressed in fetal lung, but not in liver, kidney and brain. |
| **Function** | Catalyzes the oxidative metabolism of numerous xenobiotics, including mainly therapeutic drugs and insecticides that contain a soft nucleophile, most commonly nitrogen and sulfur and participates to their bioactivation . Specifically catalyzes S-oxygenation of sulfur derived compounds such as thioureas-derived compounds, thioetherorganophosphates to their sulfenic acid . In vitro, catalyzes S-oxygenation of the second-line antitubercular drugs thiacetazone (TAZ) and ethionamide (ETA), forming a sulfinic acid and a carbodiimide via a postulated sulfenic acid intermediate . Also catalyzes S-oxygenation of the thioether-containing organophosphate insecticides, phorate and disulfoton . |
| **Background** | |

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| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images