



FMO2 Mouse mAb

Catalog No	YP-mAb-18608
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FMO2
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	2318D8Rik;23142I22Rik;AW17733;Dimethylaniline monooxygenase [N oxide forming] 2;Dimethylaniline monooxygenase [N-oxide-forming] 2;Dimethylaniline oxidase 2;Flavin containing monooxygenase 2 (non functional);Flavin containing monooxygenase 2;FLJ4826;FMO 1B1;FMO 2;FMO;FMO pulmonary;FMO1B1;FMO2;FMO2_HUMAN;MGC28212;OTTMUSP28686;OTTMUSP28687;Pulmonary flavin containing monooxygenase 2;Pulmonary flavin-containing monooxygenase 2;Dimethylaniline monooxygenase [N-oxide-forming] 2 (Dimethylaniline oxidase 2) (FMO 1B1) (Pulmonary flavin-containing monooxygenase 2) (FMO 2)
Observed Band	59kD
Calculated Molecular Weight	61kD(Calculated).
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 sulfinic 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 sulfinic acid intermediate . Also catalyzes S-oxygenation of the thioether-containing organophosphate insecticides, phorate and disulfoton .

Background**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