



FMO2 Rabbit pAb

Catalog No	YP-Ab-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 rabbit 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