SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FMO1 antibody

Catalog Number: SL16152R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FMO1
Immunogen:	KLH conjugated synthetic peptide derived from human FMO1: 301-400/532
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow, Horse, Sheep)
Predicted MW.:	60kDa
Subcellular Location:	cytoplasmic
Background:	Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man resulting in a small subpopulation with reduced TMA N-oxidation capacity resulting in fish odor syndrome Trimethylaminuria. Three forms of the enzyme, FMO1 found in fetal liver, FMO2 found in adult liver, and FMO3 are encoded by genes clustered in the 1q23-q25 region. Flavin-containing monooxygenases are NADPH-dependent flavoenzymes that catalyzes the oxidation of soft nucleophilic heteroatom centers in drugs, pesticides, and xenobiotics. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: This protein is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. Form I catalyzes the N-oxygenation of secondary and tertiary amines. **Subcellular Location:** Microsome membrane. Endoplasmic reticulum membrane. **Tissue Specificity:** Expressed mainly in fetal liver, adult kidney and, to a lesser extent, the intestine. **Similarity:** Belongs to the FMO family. **Database links:** **Entrez Gene:** 2326 Human **Entrez Gene:** 14261 Mouse **Entrez Gene:** 25256 Rat Omim: 136130 Human **SwissProt:** Q01740 Human **SwissProt:** P50285 Mouse **SwissProt:** P36365 Rat **Unigene:** 1424 Human **Unigene:** 976 Mouse **Unigene:** 867 Rat

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