SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FMO4 antibody

Catalog Number: SL16099R

FOR RESEARCH USE ONLY

[DATASHEET]

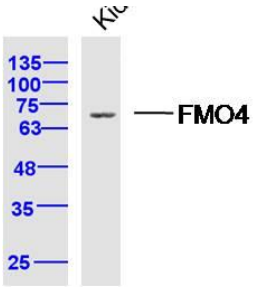
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FMO4
Immunogen:	KLH conjugated synthetic peptide derived from human FMO4: 51-150/558
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Cow,Horse,Sheep)
Predicted MW.:	63kDa
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. [provided by RefSeq, Sep 2013] **Function:** This protein is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. **Subcellular Location:** Microsome membrane. Endoplasmic reticulum membrane. **Tissue Specificity:** Liver. **Similarity:** Belongs to the FMO family.

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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	Database links: **Entrez Gene:** 2329 Human Omim: 136131 Human **SwissProt:** P31512 Human **Unigene:** 386502 Human

[VALIDATION IMAGES]



Sample: Kidney (Mouse) Lysate at 40 ug
Primary: Anti-FMO4 (SL16099R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 63 kD
Observed band size: 66 kD

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