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FMO4 Rabbit pAb

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Catalog # AP56120

Product Information

Application	WB
Primary Accession	P31512
Reactivity	Mouse
Predicted	Rat, Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63343
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FMO4
Epitope Specificity	51-150/558
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Microsome membrane. Endoplasmic reticulum membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	2329
Other Names	Dimethylaniline monooxygenase [N-oxide-forming] 4, 1.14.13.8, Dimethylaniline oxidase 4, Hepatic flavin-containing monooxygenase 4, FMO 4, FMO4, FMO2
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

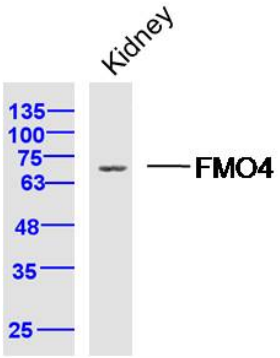
Protein Information

Name	FMO4
Synonyms	FMO2 {ECO:0000303|PubMed:1417778}
Function	Is likely involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. Is able to use methimazole as substrate.
Cellular Location	Microsome membrane {ECO:0000250|UniProtKB:Q8K4B7}; Single-pass membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8K4B7}; Single-pass membrane protein
Tissue Location	Liver..

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Images



Sample: Kidney (Mouse) Lysate at 40 ug
Primary: Anti-FMO4 (AP56120) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 63 kD
Observed band size: 66 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.