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Anti-Flavin Containing Monooxygenase 4 Antibody

Catalog # ABO11190

Product Information

Application	WB, IHC-P
Primary Accession	P31512
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Dimethylaniline monooxygenase[N-oxide-forming] 4(FMO4) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Calculated MW	63343
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Rat, Human, By Heat Western blot, 0.1-0.5 □g/ml, Human, Mouse, Rat
Subcellular Localization	Microsome membrane. Endoplasmic reticulum membrane.
Tissue Specificity	Liver.
Source	Eukaryota
Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Flavin containing monooxygenase 4(75-92aa HEDYPNFMNHEKFWDYLQ), different from the related rat sequence by two amino acids, and from the related mouse sequence by three amino acids.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the FMO family.

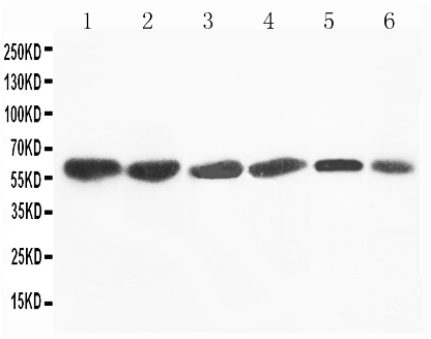
Protein Information

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..

Background

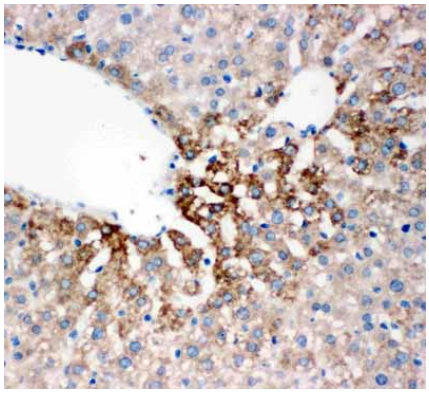
FMO4(Flavin-containing monooxygenase 4) also known as FMO2, FORMERLY or FMO, ADULT LIVER FORM, is an enzyme that in humans is encoded by the FMO4 gene. By PCR analysis, Dolphin et al.(1992) mapped the FMO4 gene to chromosome 1. Southern blot hybridization with single exon probes demonstrated that human FMO4 and FMO1 are, in each case, the product of a single gene. Lawton et al.(1994) proposed a reclassification of mammalian FMOs. Under this system, FMO2 described by Dolphin et al.(1992) is now designated FMO4.

Images



Anti-Flavin containing monooxygenase 4 antibody, ABO11190, Western blottingLane 1: Rat Liver Tissue LysateLane 2: Mouse Liver Tissue LysateLane 3: SMMC Cell LysateLane 4: HEPA Cell LysateLane 5: A431 Cell LysateLane 6: MCF-7 Cell Lysate

Anti-Flavin containing monooxygenase 4 antibody, ABO11190, IHC(P)IHC(P): Rat Liver Tissue



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