

Rabbit Flavin containing monooxygenase 4 Polyclonal Antibody | anti-FMO4 antibody

Anti-Flavin containing monooxygenase 4 antibody

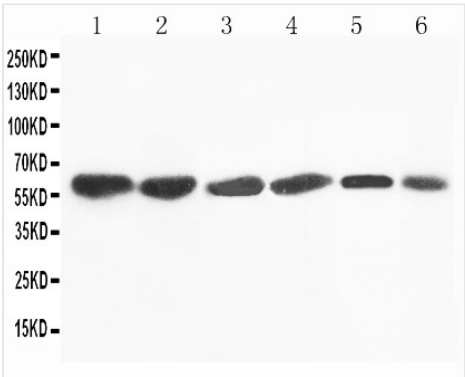
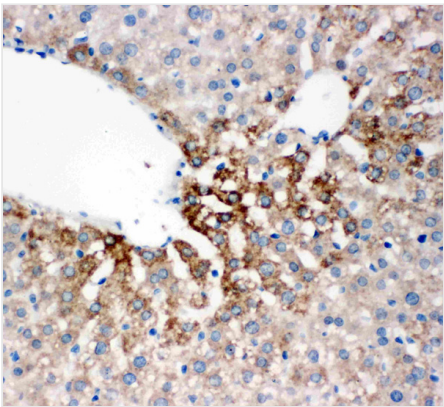
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45511	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Flavin containing monooxygenase 4; Polyclonal Antibody; Anti-Flavin containing monooxygenase 4 antibody; Dimethylaniline monooxygenase [N-oxide-forming] 4; flavin containing monooxygenase 4; Dimethylaniline monooxygenase[N oxide forming] 4 antibody; Dimethylaniline monooxygenase[N-oxide-forming] 4 antibody; Dimethylaniline monooxygenase 4 antibody; Dimethylaniline oxidase 4 antibody; FMO 2 antibody; FMO 4 antibody; FMO2 antibody; Fmo4 antibody; FMO4_HUMAN antibody; Hepatic flavin containing monooxygenase 4 antibody; Hepatic flavin-containing monooxygenase 4 antibody; OTTHUMP00000060454 antibody; anti-FMO4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	558
Applicable Applications for anti-FMO4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
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.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-Flavin containing monooxygenase 4 antibody, AAA45511, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Mouse Liver Tissue Lysate
Lane 3: SMMC Cell Lysate
Lane 4: HEPA Cell Lysate
Lane 5: A431 Cell Lysate
Lane 6: MCF-7 Cell Lysate

IHC (Immunohistochemistry)
Anti-Flavin containing monooxygenase 4 antibody, AAA45511, IHC(P)
IHC(P): Rat Liver Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-FMO4 antibody	Description: Rabbit IgG polyclonal antibody for Dimethylaniline monooxygenase[N-oxide-forming] 4(FMO4) detection. Tested with WB, IHC-P in Human, Mouse, Rat. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	399506
NCBI GeneID	2329
UniProt Accession #	P31512; Q53XR0
Molecular Weight	63,343 Da
NCBI Official Full Name	Dimethylaniline monooxygenase
NCBI Official Synonym Full Names	flavin containing monooxygenase 4
NCBI Official Symbol	FMO4
NCBI Official Synonym Symbols	FMO2
NCBI Protein Information	dimethylaniline monooxygenase [N-oxide-forming] 4; dimethylaniline monooxygenase [N-oxide-forming] 4; FMO 4; dimethylaniline oxidase 4; hepatic flavin-containing monooxygenase 4
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 4
UniProt Gene Name	FMO4
UniProt Synonym Gene Names	FMO2; FMO 4
UniProt Entry Name	FMO4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.