

FMO1 Polyclonal Antibody | anti-FMO1 antibody

Anti-FMO1 Antibody

CATALOG # AAA46430	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
------------------------------	--	-------------------------------------

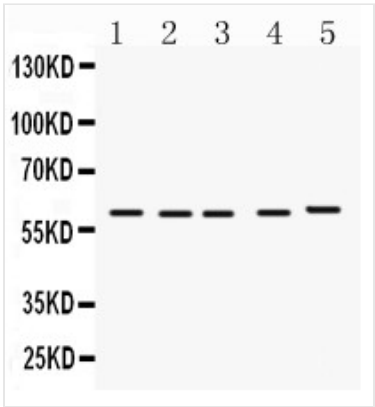
PRODUCT SYNONYMS

FMO1; Polyclonal Antibody; Anti-FMO1 Antibody; Dimethylaniline monooxygenase [N-oxide-forming] 1; Dimethylaniline monooxygenase [N oxide forming] 1; Dimethylaniline oxidase 1; Fetal hepatic flavin containing monooxygenase 1; Fetal hepatic flavin-containing monooxygenase 1; Flavin containing monooxygenase 1 (fetal liver); Flavin Containing Monooxygenase 1; FMO 1; FMO1_HUMAN; OTTHUMP00000033536; OTTHUMP00000033537; flavin containing monooxygenase 1; anti-FMO1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	536
Applicable Applications for anti-FMO1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FMO1 (334-363aa AFPFLDESVVKVEDGQASLYKYIFPAHLQK), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti- FMO1 Picoband antibody, AAA46430, Western blottingAll lanes: Anti FMO1 (AAA46430) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugLane 3: Rat Kidney Tissue Lysate at 50ugLane 4: Mouse Kidney Tissue Lysate at 50ugLane 5: SMMC Whole Cell Lysate at 40ugPredicted bind size: 60KDObserved bind size: 60KD

ADDITIONAL INFORMATION

Related Product Information for anti-FMO1 antibody	Description: Rabbit IgG polyclonal antibody for Dimethylaniline monooxygenase [N-oxide-forming] 1(FMO1) detection. Tested with WB in Human;Mouse; Rat. 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.
References	1. "Entrez Gene: FMO1 flavin containing monooxygenase 1". 2. Cashman JR (2004). "The implications of polymorphisms in mammalian flavin-containing monooxygenases in drug discovery and development".Drug Discov. Today 9 (13): 574-581. 3. Dolphin C, Shephard EA, Povey S et al. (1991). "Cloning, primary sequence, and chromosomal mapping of a human flavin-containing monooxygenase (FMO1)".J. Biol. Chem. 266 (19): 12379-85.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186123
NCBI GeneID	2326
NCBI Accession #	NP_001269621.1
NCBI GenBank Nucleotide #	NM_001282692.1
UniProt Accession #	Q01740; Q5QPT2; Q9UJC2; A8K248; B7Z3P4
NCBI Official Full Name	dimethylaniline monooxygenase
NCBI Official Synonym Full Names	flavin containing monooxygenase 1
NCBI Official Symbol	FMO1
NCBI Protein Information	dimethylaniline monooxygenase [N-oxide-forming] 1
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 1
UniProt Gene Name	FMO1
UniProt Synonym Gene Names	FMO 1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/fmo1-antibody-western-blot-elisa/46430>