

Rabbit anti-Human FMO1 Polyclonal Antibody | anti-FMO1 antibody

FMO1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283283	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

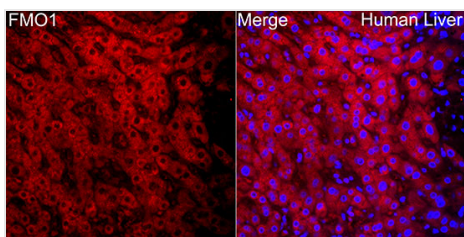
PRODUCT SYNONYMS

FMO1; Polyclonal Antibody; FMO1 Rabbit pAb; flavin containing monooxygenase 1; anti-FMO1 antibody

PRODUCT SPECIFICATIONS

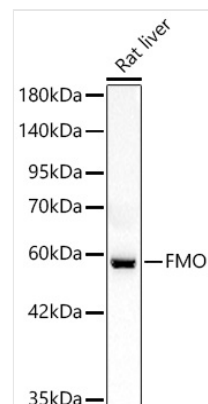
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	LIKPLGSMIP TGETQARWAV RVLKGVNKLPPPSVMIEEIN ARKENKPSWF GLCYCKALQS DYITYIDELL TYINAKPNLF SMLLTDPHLA LTVFFGPCSP
Applicable Applications for anti-FMO1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 371-470 of human FMO1 (NP_002012.1-).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Human liver tissue using FMO1 Rabbit pAb (AAA283283) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of lysates from Rat liver using FMO1 Rabbit pAb (AAA283283) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-FMO1 antibody	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.
Product Categories/Family for anti-FMO1 antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Endocrine Metabolism; Drug metabolism; Antibodies

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
Molecular Weight	Calculated MW: 60kDa Observed MW: 60kDa
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 1
UniProt Gene Name	FMO1
UniProt Synonym Gene Names	FMO 1
UniProt Entry Name	FMO1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fmo1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283283>