

Rabbit FMO4 Polyclonal Antibody | anti-FMO4 antibody

FMO4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199531	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

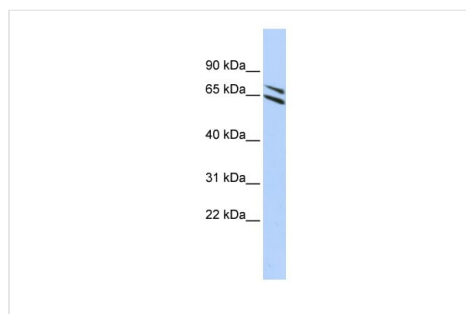
PRODUCT SYNONYMS

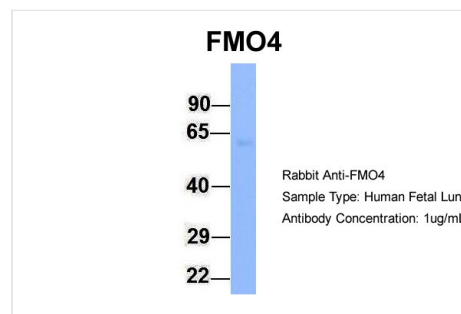
FMO4; Polyclonal Antibody; FMO4 antibody - N-terminal region; anti-FMO4 antibody

PRODUCT SPECIFICATIONS

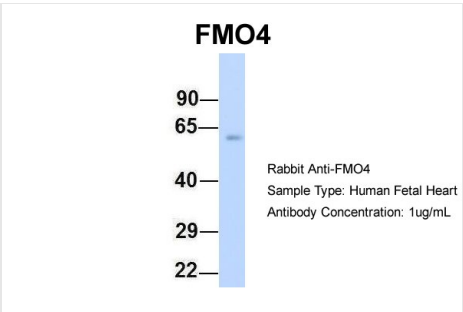
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MV CTGHFLNPHL PLEAFPGIHK FKGQILHSQE YKIPEGFQ GK RVLVIGLG
Sequence Length	558
Applicable Applications for anti-FMO4 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 85%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 85%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human FMO4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-FMO4 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:31250
Positive Control: HepG2 cell lysate

WB (Western Blot)

Host: Rabbit
Target Name: FMO4
Sample Type: Human Fetal Lung
Antibody Dilution: 1.0ug/ml



WB (Western Blot)
Host: RabbitTarget Name: FMO4Sample Type: Human Fetal HeartAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-FMO4 antibody	This is a rabbit polyclonal antibody against FMO4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: FMO4 belongs to the FMO family. 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. 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.
Product Categories/Family for anti-FMO4 antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Epigenetics

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503759
NCBI GeneID	2329
NCBI Accession #	NP_002013
NCBI GenBank Nucleotide #	NM_002022
UniProt Accession #	P31512
Molecular Weight	63kDa
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fmo4-antibody-western-blot-elisa/199531>