

Datasheet for ABIN3042396
anti-FMO1 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	FMO1
Binding Specificity:	AA 334-363, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Dimethylaniline monooxygenase [N-oxide-forming] 1(FMO1) detection. Tested with WB in Human,Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human FMO1 (334-363aa AFPFLDES VKVEDGQASLYKYIFPAHLQK), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Sequence:	AFPFLDES VV KVEDGQASLY KYIFPAHLQK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Dimethylaniline monooxygenase [N-oxide-forming] 1(FMO1) detection. Tested with WB in Human,Mouse, Rat. Gene Name: flavin containing monooxygenase 1

Product Details

Protein Name: Dimethylaniline monooxygenase [N-oxide-forming] 1

Purification: Immunogen affinity purified.

Target Details

Target: FM01

Alternative Name: FM01 ([FM01 Products](#))

Background: Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FM03 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, FM01 found in fetal liver, FM02 found in adult liver, and FM03 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.

Synonyms: Dimethylaniline monooxygenase [N oxide forming] 1 antibody|Dimethylaniline monooxygenase [N-oxide-forming] 1 antibody|Dimethylaniline oxidase 1 antibody|Fetal hepatic flavin containing monooxygenase 1 antibody|Fetal hepatic flavin-containing monooxygenase 1 antibody| Flavin containing monooxygenase 1 (fetal liver) antibody|Flavin Containing Monooxygenase 1 antibody|FMO 1 antibody|FM01 antibody| FM01_HUMAN antibody|OTTHUMP00000033536 antibody|OTTHUMP00000033537 antibody

Gene ID: 2326

UniProt: [Q01740](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

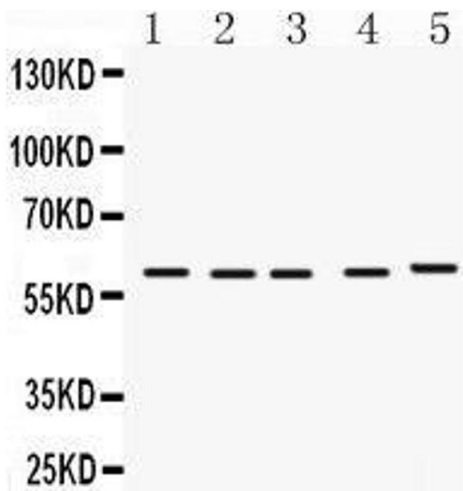
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.

Images



Western Blotting

Image 1.