Datasheet for ABIN1700865

anti-FMO3 antibody (AA 111-210) (Biotin)

Go to Product page

Overview

Quantity:	100 µL
Target:	FMO3
Binding Specificity:	AA 111-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMO3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FMO3
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Monkey
Purification:	Purified by Protein A.

Target Details

Target:	FMO3
Alternative Name:	FMO3 (FMO3 Products)
Background:	Synonyms: Dimethylaniline monooxygenase [N oxide forming] 3, Dimethylaniline

Target Details

	monooxygenase [N-oxide-forming] 3, Dimethylaniline monooxygenase 3, Dimethylaniline oxidase 3, dJ127D3.1, Flavin containing monooxygenase 3, FMO 3, FMO form 2, FMO II, FMO3, FMO3_HUMAN, FMOII, Hepatic flavin containing monooxygenase 3, Hepatic flavin-containing monooxygenase 3, MGC34400, TMAU, Trimethylamine monooxygenase. Background: The Flavin containing monooxygenase family consists of five gene products, FMO1-5, that are major enzymatic oxidants involved in the metabolism of various therapeutics. Located in the liver, FMO3 is a hepatic microsomal enzyme that oxygenates soft nucleophiles such as secondary and tertiary amines. Through its N-oxygenase capabilities, FMO3 acts on a variety of xenobiotics to catalyze oxidative digestion. Defects in the FMO3 gene are the primary cause of trimethylaminuria (TMAuria), an inborn error of metabolism associated with a fishy body odor emitting from sweat, urine and breath. Genetic mutations in FMO3 lead to the N-oxidation of amino-trimethylamine derived from food products, thus producing the malodor associated with TMAuria.
Gene ID:	2328

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months