

Datasheet for ABIN5002770

anti-FM03 antibody (AA 111-210) (AbBy Fluor® 680)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	FM03
Binding Specificity:	AA 111-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FM03 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FM03
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Monkey
Purification:	Purified by Protein A.

Target Details

Target:	FM03
Alternative Name:	FM03 (FM03 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: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months