

Datasheet for ABIN5002771

**anti-FM03 antibody (AA 111-210) (AbBy Fluor® 750)**[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® 750                                                                            |
| 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 ( <a href="#">FM03 Products</a> )                                       |
| 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