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Datasheet for ABIN1714367  
**anti-FMO3 antibody (AA 111-210)**

### Overview

Quantity:	100 µL
Target:	FMO3
Binding Specificity:	AA 111-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMO3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### 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 ( <a href="#">FMO3 Products</a> )

## Target Details

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**Background:** Synonyms: Dimethylaniline monooxygenase [N oxide forming] 3, Dimethylaniline 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.

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**Gene ID:** 2328

## Application Details

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**Application Notes:** WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months