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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FMO3 (Human) IP-WB Antibody Pair

Catalog # : H00002328-PW1

規格 : [1 Set]

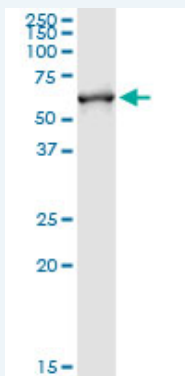
List All

Specification

Product Description: This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.

Reactivity: Human

Quality Control Testing: Immunoprecipitation-Western Blot (IP-WB)



Immunoprecipitation of FMO3 transfected lysate using rabbit polyclonal anti-FMO3 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-FMO3.

Supplied Product: Antibody pair set content:
 1. Antibody pair for IP: rabbit polyclonal anti-FMO3 (300 ul)
 2. Antibody pair for WB: mouse purified polyclonal anti-FMO3 (50 ug)

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

MSDS:  [Download](#)

Applications

Immunoprecipitation-Western Blot

 [Protocol Download](#)

Gene Information

Entrez GeneID: [2328](#)

Gene Name: FMO3

Gene Alias: FMOII,MGC34400,TMAU,dJ127D3.1

Gene Description: flavin containing monooxygenase 3

Omim ID: [136132](#), [602079](#)

Gene Ontology: [Hyperlink](#)

Application Image

Immunoprecipitation-Western Blot

Gene Summary: Flavin-containing monooxygenases (FMO) are an important class of drug-metabolizing enzymes that catalyze the NADPH-dependent oxygenation of various nitrogen-, sulfur-, and phosphorous-containing xenobiotics such as therapeutic drugs, dietary compounds, pesticides, and other foreign compounds. The human FMO gene family is composed of 5 genes and multiple pseudogenes. FMO members have distinct developmental- and tissue-specific expression patterns. The expression of this FMO3 gene, the major FMO expressed in adult liver, can vary up to 20-fold between individuals. This inter-individual variation in FMO3 expression levels is likely to have significant effects on the rate at which xenobiotics are metabolised and, therefore, is of considerable interest to the pharmaceutical industry. This transmembrane protein localizes to the endoplasmic reticulum of many tissues. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. Mutations in this gene cause the disorder trimethylaminuria (TMAu) which is characterized by the accumulation and excretion of unmetabolized trimethylamine and a distinctive body odor. In healthy individuals, trimethylamine is primarily converted to the non odorous trimethylamine N-oxide

Other Designations: Flavin-containing monooxygenase-3, OTTHUMP00000033540

Gene Pathway

[Drug metabolism - cytochrome P450](#)

Related Disease

[Adenoma](#) [Adenomatous Polyposis Coli](#) [Adenomatous Polyps](#) [Brain Neoplasms](#) [Cardiovascular Diseases](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Ductus Arteriosus, Patent](#) [Genetic Predisposition to Disease](#) [Hearing Loss](#) [Hypertension](#) [Infant, Premature, Diseases](#) [Kidney Failure, Chronic Metabolism, Inborn Errors](#) [Obesity](#) [Ovarian Failure, Premature](#) [Polycystic Ovary Syndrome](#) [Puberty, Delayed](#) [Puberty, Precocious](#)

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