

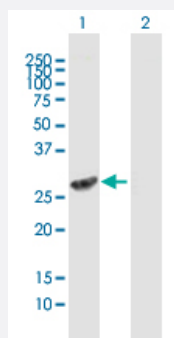
MaxPab®

FMO5 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002330-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of FMO5 expression in transfected 293T cell line ([H00002330-T01](#)) by FMO5 MaxPab polyclonal antibody.

Lane 1: FMO5 transfected lysate(31.35 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human FMO5 protein.

Immunogen

FMO5 (AAH35687.1, 1 a.a. ~ 285 a.a) full-length human protein.

Sequence

MTKKRIAVIGGGVSGLSIKCCVEEGLEPVCFERTDDIGGLWRFQENPEEGRASIYKSVIINTSKEM
MCFSDYIPDHYPNFMHNAQVLEYFRMYAKEFDLLKYIRFKTTVCSVKKQPDFATSGQWEVVTES
EGKKEMNVFDGVMVCTGHHTNAHLPLESFPGIEKFKGQYFHSRDYKNPEGFTGKRVIIGIGNSGG
DLAVEISQTAKQVFLSTRRGAWILNRVGDYGYPADVLFSSRLTHFWKICGQSLANKYLEKKINQRF
DHEMFGLKPKHRSKDIALTE

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — FMO5

Entrez GeneID [2330](#)

GeneBank Accession# [BC035687.1](#)

Protein Accession# [AAH35687.1](#)

Gene Name FMO5

Gene Alias -

Gene Description flavin containing monooxygenase 5

Omim ID [603957](#)

Gene Ontology [Hyperlink](#)

Gene Summary Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man resulting in a small subpopulation with reduced TMA N-oxidation capacity resulting in fish odor syndrome Trimethyl aminuria. Three forms of the enzyme, FMO1 found in fetal liver, FMO2 found in adult liver, and FMO3 are encoded by genes clustered in the 1q23-q25 region. Flavin-containing monooxygenases are NADPH-dependent flavoenzymes that catalyzes the oxidation of soft nucleophilic heteroatom centers in drugs, pesticides, and xenobiotics. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations OTTHUMP00000016306

Pathway

- [Drug metabolism - cytochrome P450](#)

Disease

- [Hearing Loss](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)