ARG58703
anti-FMO4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FMO4
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FMO4
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 75-92 of Human FMO4 (HEDYPNFMNHEKFWDYLQ).
Conjugation	Un-conjugated
Alternate Names	FMO2; Hepatic flavin-containing monooxygenase 4; FMO 4; Dimethylaniline oxidase 4; Dimethylaniline monooxygenase [N-oxide-forming] 4; EC 1.14.13.8

Application Instructions

Application table

Application	Dilution
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediated.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

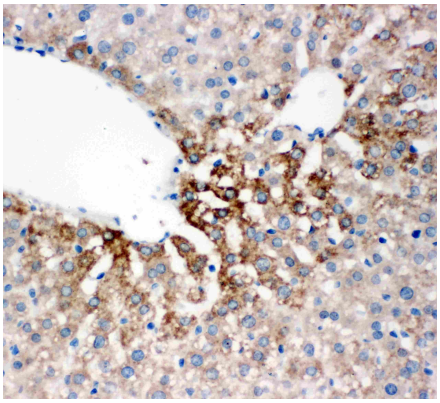
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

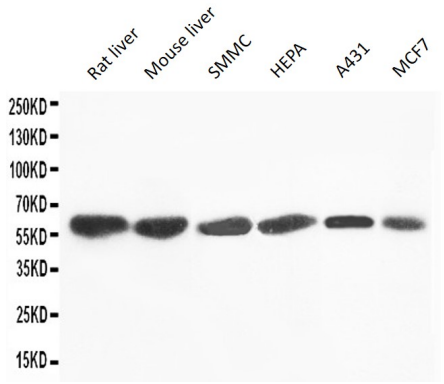
Gene Symbol	FMO4
Gene Full Name	flavin containing monooxygenase 4
Background	Metabolic N-oxidation of diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man. This results in a small subpopulation with reduced TMA N-oxidation capacity and causes fish odor syndrome (Trimethylaminuria). Three forms of the enzyme 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. [provided by RefSeq, Jan 2015]
Function	This protein is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. [UniProt]
Calculated Mw	63 kDa
Cellular Localization	Microsome membrane. Endoplasmic reticulum membrane. [UniProt]

Images



ARG58703 anti-FMO4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue stained with ARG58703 anti-FMO4 antibody.



ARG58703 anti-FMO4 antibody WB image

Western blot: Rat liver, Mouse liver, SMMC, HEPA, A431 and MCF7 cell lysates stained with ARG58703 anti-FMO4 antibody.