ARG58710
anti-FMO1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FMO1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FMO1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 334-363 of Human FMO1 (AFPFLDESVVKVEDGQASLYKYIFPAHLQK).
Conjugation	Un-conjugated
Alternate Names	Fetal hepatic flavin-containing monooxygenase 1; Dimethylaniline oxidase 1; Dimethylaniline monooxygenase [N-oxide-forming] 1; EC 1.14.13.8; FMO 1

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

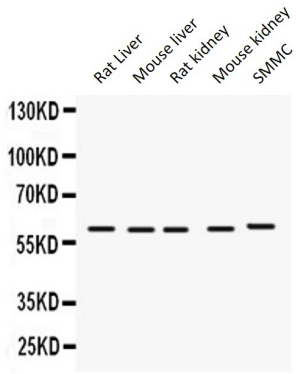
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	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	FMO1
Gene Full Name	flavin containing monooxygenase 1
Background	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 Trimethylaminuria. 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]
Function	This protein is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. Form I catalyzes the N-oxygenation of secondary and tertiary amines. [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Microsome membrane. Endoplasmic reticulum membrane. [UniProt]

Images



ARG58710 anti-FMO1 antibody WB image

Western blot: 50 µg of Rat Liver, 50 µg of Mouse liver, 50 µg of Rat kidney, 50 µg of Mouse kidney and 40 µg of SMMC whole cell lysate stained with ARG58710 anti-FMO1 antibody at 0.5 µg/ml.