

ARG58729 anti-FMO5 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FMO5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	FM05
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-285 of Human FMO5 (NP_001138302.1).
Conjugation	Un-conjugated
Alternate Names	Dimethylaniline monooxygenase [N-oxide-forming] 5; FMO 5; Hepatic flavin-containing monooxygenase 5; EC 1.14.13.8; Dimethylaniline oxidase 5

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	60 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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	FM05
Gene Full Name	flavin containing monooxygenase 5
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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]
Function	In contrast with other forms of FMO it does not seem to be a drug-metabolizing enzyme. [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Microsome membrane, Endoplasmic reticulum membrane. [UniProt]

Images



ARG58729 anti-FMO5 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG58729 anti-FMO5 antibody at 1:100 dilution.