

ARG58712 anti-FMO2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FMO2
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FMO2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 78-115 of Human FMO2 (FPNFLHNSKLLLEYFRIFAKKFDLLKYIQFQTTVLSVRK).
Conjugation	Un-conjugated
Alternate Names	Pulmonary flavin-containing monooxygenase 2; FMO 1B1; Dimethylaniline oxidase 2; FMO1B1; Dimethylaniline monooxygenase [N-oxide-forming] 2; EC 1.14.13.8; FMO 2

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.	

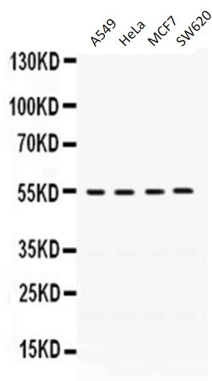
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 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	FMO2
Gene Full Name	flavin containing monooxygenase 2 (non-functional)
Background	This gene encodes a flavin-containing monooxygenase family member. It is an NADPH-dependent enzyme that catalyzes the N-oxidation of some primary alkylamines through an N-hydroxylamine intermediate. However, some human populations contain an allele (FMO2*2A) with a premature stop codon, resulting in a protein that is C-terminally-truncated, has no catalytic activity, and is likely degraded rapidly. This gene is found in a cluster with other related family members on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]
Function	Catalyzes the N-oxidation of certain primary alkylamines to their oximes via an N-hydroxylamine intermediate. Inactive toward certain tertiary amines, such as imipramine or chlorpromazine. Can catalyze the S-oxidation of methimazole. The truncated form is catalytically inactive. [UniProt]
Calculated Mw	61 kDa
PTM	The truncated form is probably unable to fold correctly and is rapidly degraded. FMO2*1 is sumoylated at 'Lys-492'. [UniProt]
Cellular Localization	Microsome membrane. Endoplasmic reticulum membrane. [UniProt]

Images



ARG58712 anti-FMO2 antibody WB image

Western blot: 40 µg of A549, HeLa, MCF7, SW620 whole cell lysates stained with ARG58712 anti-FMO2 antibody at 0.5 µg/ml.