

FMO1 Polyclonal Antibody

Catalog NumberPA5-30034

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:500-1:3,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 95 and 320 of Human FMO1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

**Product specific information**

Recommended positive controls: HepG2. Predicted reactivity: Mouse (84%), Rat (84%), Dog (88%), Pig (88%), Rabbit (84%), Rhesus Monkey (98%), Bovine (85%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

**Background/Target Information**

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.

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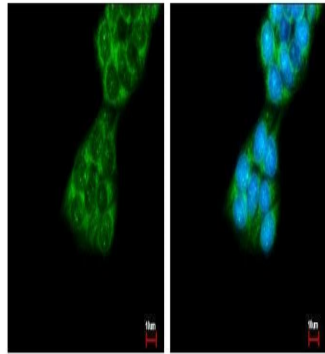
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Product Images For FMO1 Polyclonal Antibody

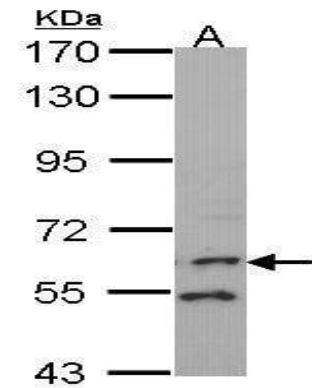
FMO1 Antibody (PA5-30034) in ICC/IF

FMO1 Polyclonal Antibody detects FMO1 protein at Cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in -20°C 100% MeOH for 5 min. Green: FMO1 protein stained by FMO1 Polyclonal Antibody (Product # PA5-30034) diluted at 1:500. Blue: Hoechst 33343 staining.



FMO1 Antibody (PA5-30034) in WB

Western Blot using FMO1 Polyclonal Antibody (Product # PA5-30034). Sample (30 µg of whole cell lysate). Lane A: Hep G2 . 7.5% SDS PAGE. Flotillin-2 antibody . FMO1 Polyclonal Antibody (Product # PA5-30034) diluted at 1:1,000.



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