

Rabbit anti-Human FMO1 Polyclonal Antibody | anti-FMO1 antibody

FMO1 Antibody (Center)

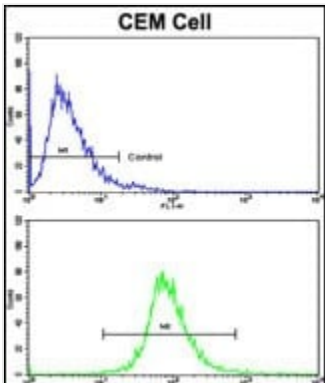
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296712	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

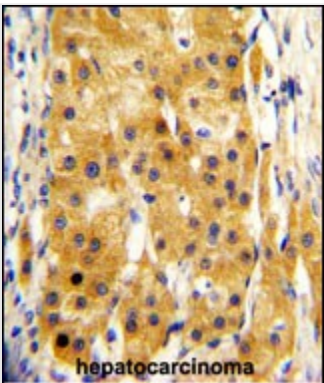
FMO1; Polyclonal Antibody; FMO1 Antibody (Center); Dimethylaniline monooxygenase [N-oxide-forming] 1; Dimethylaniline oxidase 1; Fetal hepatic flavin-containing monooxygenase 1; FMO 1; anti-FMO1 antibody

PRODUCT SPECIFICATIONS

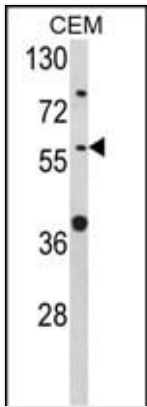
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Number	RB21944
Specificity	This FMO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-417 amino acids from the Central region of human FMO1.
Purity/Purification	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-FMO1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	391-417
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of CEM cells using FMO1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with FMO1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of FMO1 Antibody (Center) in CEM cell line lysates (35ug/lane). FMO1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-FMO1 antibody	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. 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.
Product Categories/Family for anti-FMO1 antibody	Primary Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Hines,R.N. et.al., Expert Opin Drug Metab Toxicol 2 (1), 41-49 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GeneID	2326
UniProt Accession #	Q01740
Molecular Weight	60311Da
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 1

UniProt Gene Name	FMO1
UniProt Synonym Gene Names	FMO 1
UniProt Entry Name	FMO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fmo1-antibody-clone-rb21944-flow-cytometry-immunohistochemistry-western-blot-elisa/296712>