

Rabbit anti-Human FMO3 Polyclonal Antibody | anti-FMO3 antibody

FMO3 Antibody (N-term)

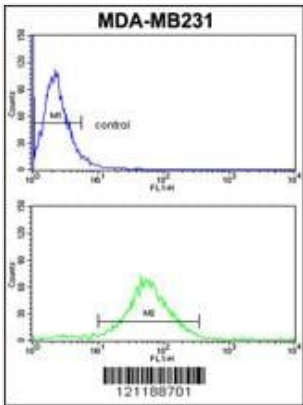
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288047	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

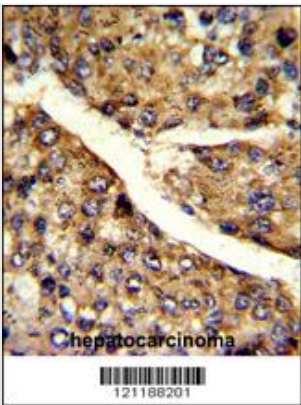
FMO3; Polyclonal Antibody; FMO3 Antibody (N-term); Dimethylaniline monooxygenase [N-oxide-forming] 3; Dimethylaniline oxidase 3; FMO II; FMO form 2; Hepatic flavin-containing monooxygenase 3; FMO 3; Trimethylamine monooxygenase; anti-FMO3 antibody

PRODUCT SPECIFICATIONS

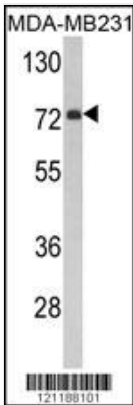
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FMO3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-56 amino acids from the N-terminal region of human FMO3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	30-56
Sequence Length	532
Applicable Applications for anti-FMO3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
FMO3 Antibody (N-term) flow cytometric analysis of MDA-MB231 cells (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 reacted with FMO3 Antibody (N-term), 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 FMO3 Antibody (N-term) in MDA-MB231 cell line lysates (35ug/lane). FMO3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-FMO3 antibody	FMO3 is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. It N-oxygenates primary aliphatic alkylamines as well as secondary and tertiary amines. It plays an important role in the metabolism of trimethylamine (TMA), via the production of TMA N-oxide (TMAO). Is also able to perform S-oxidation when acting on sulfide compounds.
Product Categories/Family for anti-FMO3 antibody	Metabolism; Signal Transduction
References	Allerston,C.K., et.al., Mol. Genet. Metab. 98 (1-2), 198-202 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50541961
NCBI GeneID	2328
NCBI Accession #	NP_001002294.1; NP_008825.4
NCBI GenBank Nucleotide #	NM_001002294.2
UniProt Accession #	P31513; Q14854; Q8N5N5; B2R816
Molecular Weight	60033

NCBI Official Full Name	dimethylaniline monooxygenase
NCBI Official Synonym Full Names	flavin containing monooxygenase 3
NCBI Official Symbol	FMO3
NCBI Official Synonym Symbols	TMAU; FMOII; dJ127D3.1
NCBI Protein Information	dimethylaniline monooxygenase [N-oxide-forming] 3
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 3
UniProt Gene Name	FMO3
UniProt Synonym Gene Names	FMO 3
UniProt Entry Name	FMO3_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://www.aaabiotech.com/polyclonal/fmo3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288047>