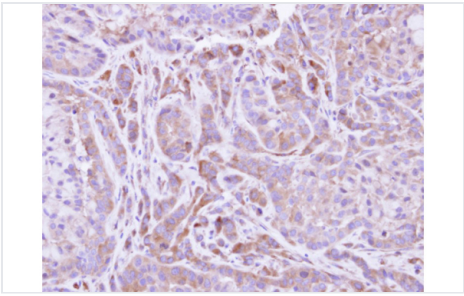
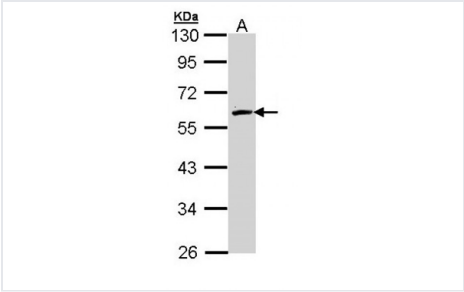
FMO2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FMO2, Polyclonal Antibody
Full Product Name	FMO2 Antibody
Product Gene Name	anti-FMO2 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal FMO2 Antibody; Polyclonal FMO2 antibody; Anti-FMO2 antibody; dimethylaniline monooxygenase [N-oxide-forming] 2 antibody; FMO-2 antibody; FMO pulmonary antibody; FMO 2; FMO2 antibody; FMO1B1 antibody; FMO-2; FMO2; FLJ40826 antibody; FMO 1B1 antibody; pulmonary flavin-containing monooxygenase 2 antibody; FMO 2 antibody; FMO 2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Antigen-Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	54 kDa
Cross-Reactivity	Human
Product Categories/Family for anti-FMO2 antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-FMO2 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-FMO2 antibody	IHC-P: 1:100-1:500 WB: 1:500-1:3000
Related Product Information for anti-FMO2 antibody	The flavin-containing monooxygenases are NADPH-dependent enzymes that catalyze the oxidation of many drugs and xenobiotics. In most mammals, there is a flavin-containing monooxygenase that catalyzes the N-oxidation of some primary alkylamines through an N-hydroxylamine intermediate. However, in humans, this enzyme is truncated and is probably rapidly degraded. The protein encoded by this gene represents the truncated form and apparently has no catalytic activity. A functional allele found in African Americans has been reported, but no sequence evidence has been deposited to support the finding. This gene is found in a cluster with the FMO1, FMO3, and FMO4 genes on chromosome 1.
Other Notes	Small volumes of anti-FMO2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FMO2 purchase	MBS5312283 is an antibody targeting FMO2. Also known as FMO2 Antibody. Host: Rabbit.



Immunohistochemistry (IHC) of anti-FMO2 antibody
Immunohistochemical staining of paraffin-embedded A549 xenograft using FMO2 antibody at a dilution of 1:500



Western Blot (WB) of anti-FMO2 antibody
Western blot analysis of 30 ug of whole cell lysate (A: Hep G2) using a 10% SDS PAGE gel and FMO2 antibody at a dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FMO2. It may not necessarily be applicable to this product.

NCBI GI #	1834493
NCBI GeneID	2327
UniProt Related Accession #	Q99518
NCBI Official Full Name	flavin-containing monooxygenase 2
NCBI Official Synonym Full Names	flavin containing dimethylaniline monoxygenase 2
NCBI Official Symbol	FMO2
NCBI Official Synonym Symbols	FMO1B1
Protein Family	Dimethylaniline monooxygenase
NCBI Protein Information	dimethylaniline monooxygenase [N-oxide-forming] 2
NCBI Summary for FMO2	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]
Research Articles on FMO2	**1.** study provides an evidence for the existence of an evolutionary adaptation to an ancient disease based on an ancestral genetic variant acting in a FMO2 haplotypic framework in Ethiopian populations
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