

Product datasheet for **TA307892**

FMO2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Chimpanzee)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 74 and 354 of FMO2 (Uniprot ID#Q99518)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	flavin containing monooxygenase 2
Database Link:	NP_001451 Entrez Gene 2327 Human Q99518



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Background:

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. [provided by RefSeq]

Synonyms:

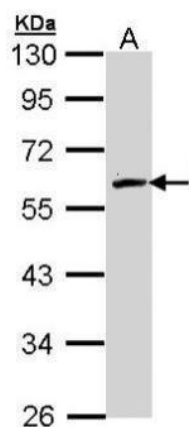
FMO1B1

Note:

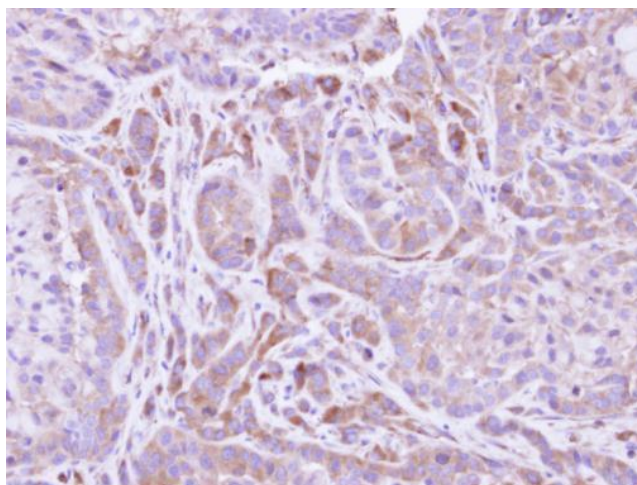
Seq homology of immunogen across species: Chimpanzee (100%)

Protein Pathways:

Drug metabolism - cytochrome P450

Product images:

Sample (30 ug of whole cell lysate). A: Hep G2.
10% SDS PAGE. TA307892 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded A549 xenograft, using FMO2 (TA307892) antibody at 1:500 dilution.