



## Rabbit Anti-FMO5 antibody

SL13187R

<b>Product Name:</b>	FMO5
<b>Chinese Name:</b>	二甲基苯胺单加氧酶5抗体
<b>Alias:</b>	Dimethylaniline monooxygenase [N oxide forming] 5; Dimethylaniline monooxygenase [N-oxide-forming] 5; Dimethylaniline oxidase 5; FMO 5; FMO5; FMO5_HUMAN; Hepatic flavin containing monooxygenase 5; Hepatic flavin-containing monooxygenase 5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	60kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FMO5:251-350/533
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Flavin containing monooxygenase family consists of five gene products, FMO1-5, that are major enzymatic oxidants involved in the metabolism of various therapeutics. Localizing to microsomal and endoplasmic reticulum membranes, FMO5 (flavin containing monooxygenase 5), also known as dimethylaniline monooxygenase [N-

oxide-forming] 5, hepatic flavin-containing monooxygenase 5 or dimethylaniline oxidase 5, is a 533 amino acid protein belonging to the FMO family. Expressed in adult and fetal liver, FMO5 is unlike other FMO family members because it does not function as a drug-metabolizing enzyme. FMO5 binds FAD as a cofactor and is encoded by a gene located on human chromosome 1q21.1.

**Function:**

In contrast with other forms of FMO it does not seem to be a drug-metabolizing enzyme.

**Subcellular Location:**

Microsome membrane. Endoplasmic reticulum membrane.

**Tissue Specificity:**

Expressed in fetal and adult liver.

**Similarity:**

Belongs to the FMO family.

**SWISS:**

P49326

**Gene ID:**

2330

**Database links:**

[Entrez Gene: 2330](#) Human

[Entrez Gene: 14263](#) Mouse

[Entrez Gene: 246248](#) Rat

[Omim: 603957](#) Human

[SwissProt: P49326](#) Human

[SwissProt: P97872](#) Mouse

[SwissProt: Q8K4C0](#) Rat

[Unigene: 642706](#) Human

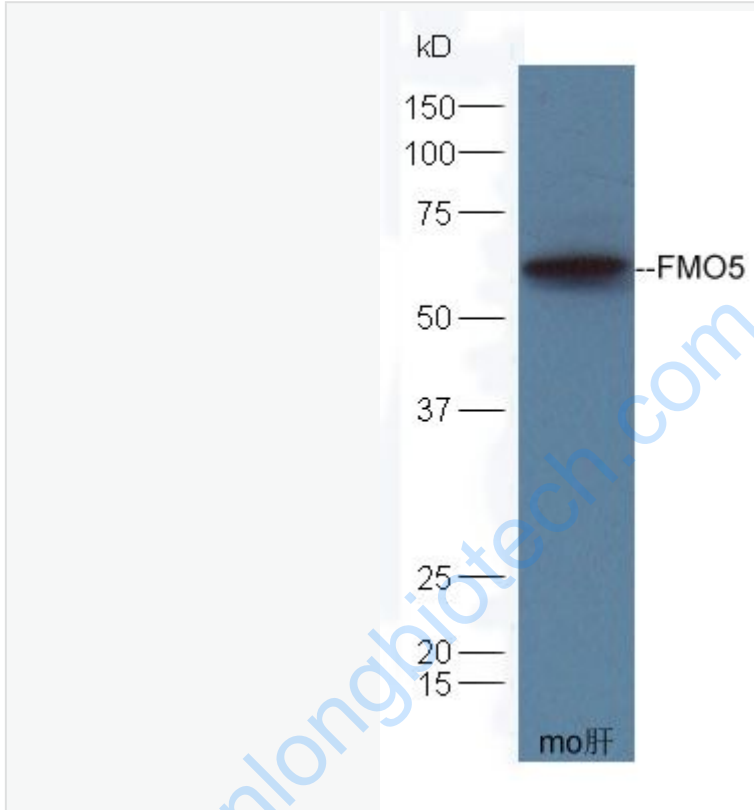
[Unigene: 385180](#) Mouse

[Unigene: 7038](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Protein: liver(mouse)lyates at 40ug;

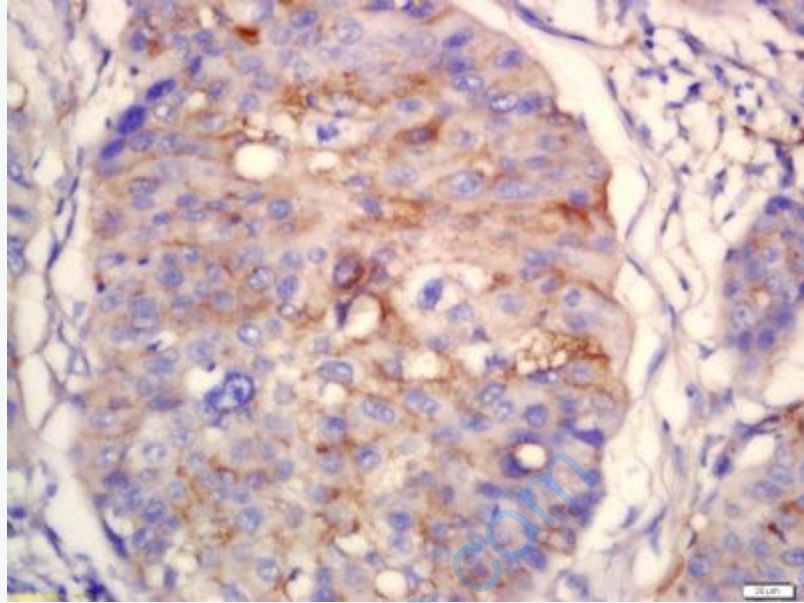
Primary: Anti-FMO5 (SL13187R) at 1:300;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G-HRP) at 1: 5000;

ECL excited the fluorescence;

Predicted band size : 60 kD

Observed band size :60 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-FMO5 Polyclonal Antibody, Unconjugated(SL13187R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining