

**Fmo1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11900****Specification**

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**Fmo1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P36365</a>
Other Accession	<a href="#">NM_012792</a> , <a href="#">NP_036924</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Pig, Horse, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 60kDa KDa

**Fmo1 antibody - N-terminal region - Additional Information****Gene ID** 25256**Alias Symbol** RFMO1A**Other Names**

Dimethylaniline monooxygenase [N-oxide-forming] 1, 1.14.13.8, Dimethylaniline oxidase 1, Hepatic flavin-containing monooxygenase 1, FMO 1, Fmo1, Fmo-1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Fmo1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Fmo1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Fmo1 antibody - N-terminal region - Protein Information****Name** Fmo1 {ECO:0000312|RGD:2622}**Function**

Broad spectrum monooxygenase that catalyzes the oxygenation of a wide variety of nitrogen- and sulfur-containing compounds including xenobiotics (PubMed:<a href="http://www.uniprot.org/citations/8504165" target="\_blank">8504165</a>). Catalyzes the S-oxygenation of hypotaurine to produce taurine, an organic osmolyte involved in cell volume regulation as well as a variety of cytoprotective and developmental processes (By similarity). In vitro, catalyzes the N- oxygenation of trimethylamine (TMA) to produce trimethylamine N-oxide (TMAO) and could therefore participate to the detoxification of this compound that is generated by

the action of gut microbiota from dietary precursors such as choline, choline containing compounds, betaine or L- carnitine (PubMed:<a href="http://www.uniprot.org/citations/8504165" target="\_blank">8504165</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass membrane protein

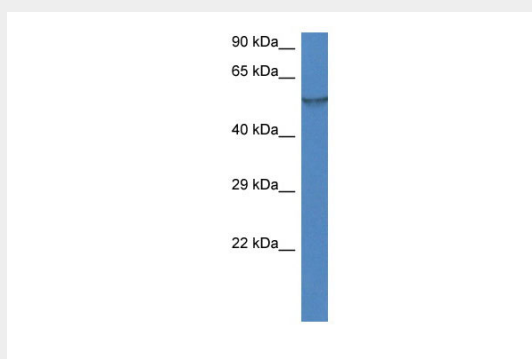
**Tissue Location**

Expressed in liver, lung and kidney and to a lesser extent in the heart and brain.

**Fmo1 antibody - N-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Fmo1 antibody - N-terminal region - Images**

WB Suggested Anti-Fmo1 Antibody Titration: 1.0 µg/ml  
Positive Control: Rat Muscle