

Fmo1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11900

Product Information

Application	WB
Primary Accession	P36365
Other Accession	NM_012792 , NP_036924
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59825

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.

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: 8504165). 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:[8504165](#)).

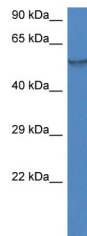
Cellular Location

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.