

FMO2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56154**Specification****FMO2 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q99518
Reactivity	Rat, Chimpanzee, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60907

FMO2 Polyclonal Antibody - Additional Information**Gene ID** 2327**Other Names**

Dimethylaniline monooxygenase [N-oxide-forming] 2, 1.14.13.8, Dimethylaniline oxidase 2, FMO 1B1, Pulmonary flavin-containing monooxygenase 2, FMO 2, FMO2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

FMO2 Polyclonal Antibody - Protein Information**Name** FMO2 ([HGNC:3770](#))**Function**

Catalyzes the oxidative metabolism of numerous xenobiotics, including mainly therapeutic drugs and insecticides that contain a soft nucleophile, most commonly nitrogen and sulfur and participates to their bioactivation (PubMed: [9804831](http://www.uniprot.org/citations/9804831), PubMed: [15294458](http://www.uniprot.org/citations/15294458), PubMed: [15144220](http://www.uniprot.org/citations/15144220), PubMed: [18948378](http://www.uniprot.org/citations/18948378), PubMed: [18930751](http://www.uniprot.org/citations/18930751)). Specifically catalyzes S-oxygenation of sulfur derived compounds such as thioureas-derived compounds, thioetherorganophosphates to their sulfinic acid (PubMed: [9804831](http://www.uniprot.org/citations/9804831), PubMed: [15144220](http://www.uniprot.org/citations/15144220), PubMed: [15144220](http://www.uniprot.org/citations/15144220)). In vitro, catalyzes S-oxygenation of the second-line antitubercular drugs thiacetazone (TAZ) and ethionamide (ETA), forming a sulfinic acid and a carbodiimide via a postulated sulfinic acid intermediate (PubMed: [18948378](http://www.uniprot.org/citations/18948378), PubMed: [18948378](http://www.uniprot.org/citations/18948378)).

href="http://www.uniprot.org/citations/18930751" target="_blank">18930751). Also catalyzes S- oxygenation of the thioether-containing organophosphate insecticides, phorate and disulfoton (PubMed:15294458).

Cellular Location

Microsome membrane {ECO:0000250|UniProtKB:P17635}; Single-pass membrane protein.
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P17635}; Single-pass membrane protein

Tissue Location

Expressed in lung (at protein level). Expressed predominantly in lung, and at a much lesser extent in kidney. Also expressed in fetal lung, but not in liver, kidney and brain

FMO2 Polyclonal Antibody - 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](#)

FMO2 Polyclonal Antibody - Images