

Product datasheet

Anti-FMO2 antibody ab95977

2 Images

Overview

<b>Product name</b>	Anti-FMO2 antibody
<b>Description</b>	Rabbit polyclonal to FMO2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Monkey 
<b>Immunogen</b>	Recombinant fragment containing a sequence corresponding to a region within amino acids 74-324 of Human FMO2 (NP_001451).
<b>Positive control</b>	HepG2 whole cell lysate; A549 xenograft; 293T, A431, H1299, HeLa, Molt4 and Raji lysates

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.75% Glycine, 10% Glycerol, 1.21% Tris
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab95977** in the following tested applications.

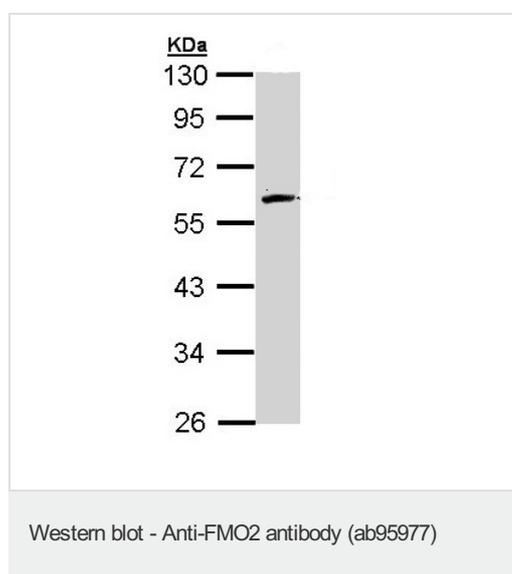
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 61 kDa.
IHC-P		1/100 - 1/500.

## Target

<b>Function</b>	Catalyzes the N-oxidation of certain primary alkylamines to their oximes via an N-hydroxylamine intermediate. Inactive toward certain tertiary amines, such as imipramine or chlorpromazine. Can catalyze the S-oxidation of methimazole. The truncated form is catalytically inactive.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the FMO family.
<b>Post-translational modifications</b>	The truncated form is probably unable to fold correctly and is rapidly degraded. FMO2*1 is sumoylated at 'Lys-492'.
<b>Cellular localization</b>	Microsome membrane. Endoplasmic reticulum membrane.

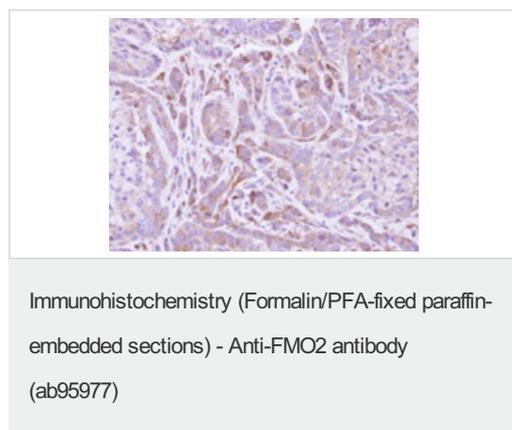
## Images



Anti-FMO2 antibody (ab95977) at 1/1000 dilution + HepG2 whole cell lysate at 30 µg

**Predicted band size:** 61 kDa

10% SDS-PAGE



ab95977, at 1/500 dilution, staining FMO2 in paraffin-embedded A549 xenograft by Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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