

FMO5 Polyclonal Antibody

Catalog number: 13699-1-AP

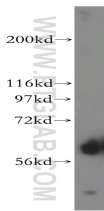
Size: 30 µg/150 µl

Source: Rabbit

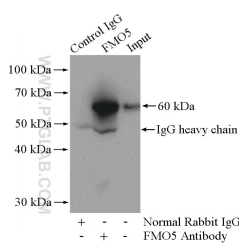
Isotype: IgG

Synonyms:

FMO5; Dimethylaniline oxidase
5, FMO 5, FMO5



human liver tissue were subjected to SDS PAGE followed by western blot with 13699-1-AP(FMO5 antibody) at dilution of 1:1200



IP Result of anti-FMO5 (IP:13699-1-AP, 4µg; Detection:13699-1-AP 1:500) with mouse lung tissue lysate 4000µg.

Background

Microsomal flavin-containing monooxygenases (FMOs) [dimethylaniline monooxygenase (N-oxide forming) catalyze the FAD-, NADPH- and O₂-dependent oxidation of a large number of structurally diverse compounds, including drugs, pesticides, and industrial chemicals containing a soft nucleophile(PMID:12488558). FMO5, which belongs to the FMO family, is a lesser component of human liver microsomes and is present at about one-third the level of FMO3. FMO5 protein is also present at very low levels in kidney, however, FMO5 exhibits a severely restricted substrate specificity for most drugs and other xenobiotics examined to date(PMID:10950857). It has 2 isoforms produced by alternative splicing.

Applications

Tested applications:	ELISA, WB, IP
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated FMO5 MW:	533aa,60 kDa
Observed FMO5 MW:	60 kDa
Positive WB detected in	Human liver tissue, mouse lung tissue
Positive IP detected in	Mouse lung tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4604
GenBank accession number:	BC035687
Gene ID (NCBI):	2330
Full name:	Flavin containing monooxygenase 5

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.