

FMO1 Polyclonal antibody

Catalog Number: 30977-1-AP

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
30977-1-AP	NM_001282692	Antigen affinity Purification
Size:	GeneID (NCBI):	Recommended Dilutions:
400 µg/ml	2326	IHC 1:250-1:1000
Source:	UNIPROT ID:	
Rabbit	Q01740	
Isotype:	Full Name:	
IgG	flavin containing monooxygenase 1	
Immunogen Catalog Number:	Calculated MW:	
AG34267	60 kDa	

Applications

Tested Applications:	Positive Controls:
IHC, ELISA	IHC : human liver tissue, mouse kidney tissue
Species Specificity:	
Human, Mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

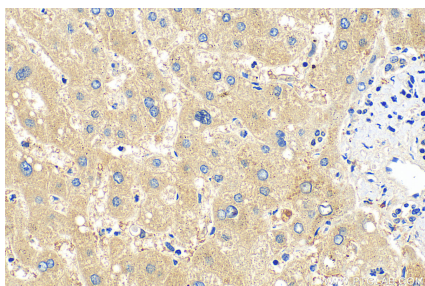
Background Information

Flavin-containing monooxygenase 1 (FMO1) belongs to the FMO family. FMO1 is an enzyme that catalyzes the oxygenation of a series of sulfur-containing and nitrogen-containing substrates, and thus is involved in a series of drugs and xenobiotics metabolism. FMO1 can regulate PPAR- α and mediate metabolic processes. FMO1 is expressed at relatively high levels in human fetal liver and also represents the major FMO enzyme in the adult human and rabbit intestine and kidney (PMID: 11809920, 30757917, 37553313). Human FMO1 has 2 isoforms with the molecular weights of 53 kDa and 60 kDa.

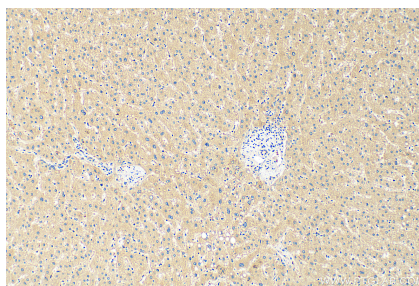
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30977-1-AP (FMO1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30977-1-AP (FMO1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).