

For Research Use Only

# FMO1 Monoclonal antibody

Catalog Number: 61032-3-Ig



## Basic Information

<b>Catalog Number:</b> 61032-3-Ig	<b>GenBank Accession Number:</b> NM_001282692	<b>Purification Method:</b> Protein G purification
<b>Source:</b> Mouse	<b>GeneID (NCBI):</b> 2326	<b>CloneNo.:</b> 1B9G6
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> Q01740	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Immunogen Catalog Number:</b> AG34286	<b>Full Name:</b> flavin containing monooxygenase 1	
	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 50-53 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat, pig, rabbit

**Positive Controls:**  
WB : pig liver tissue, pig kidney tissue, rabbit kidney tissue, Rabbit liver tissue, Rat liver tissue, Mouse liver tissue, Rat kidney tissue, Mouse kidney tissue

## 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- $\alpha$  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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

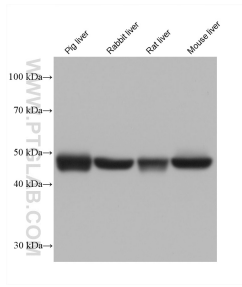
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

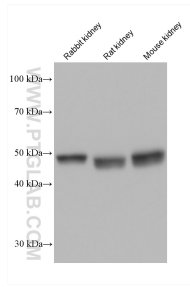
W: [ptgcn.com](http://ptgcn.com)

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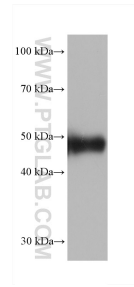
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 61032-3-Ig (FMO1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 61032-3-Ig (FMO1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



pig kidney tissue were subjected to SDS PAGE followed by western blot with 61032-3-Ig (FMO1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.