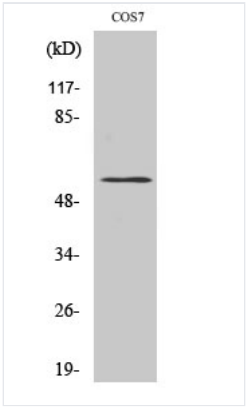
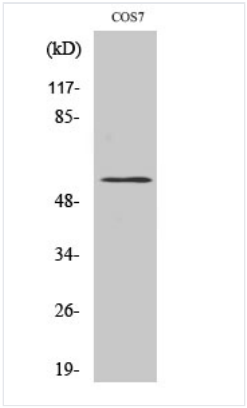
CYP4X1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYP4X1, Polyclonal Antibody
Full Product Name	CYP4X1 Polyclonal Antibody
Product Gene Name	anti-CYP4X1 antibody
Product Synonym Names	CYP4X1; Cytochrome P450 4X1; CYPIVX1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Monkey
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	58,875 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (47489240..47516423). Location: 1p33; 1
OMIM	614999
3D Structure	ModBase 3D Structure for Q8N118
Notes	ECO:0000303|PubMed:18549450, ECO:0000312|HGNC: HGNC:20244
Applications Tested/Suitable for anti-CYP4X1 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-CYP4X1 antibody	MBS9243325 is an antibody targeting CYP4X1. Also known as CYP4X1 Polyclonal Antibody. Reactive in Human, Monkey. Host: Rabbit.
Other Notes	Small volumes of anti-CYP4X1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Wester Blot (WB) of anti-CYP4X1 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.



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Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP4X1. It may not necessarily be applicable to this product.

NCBI GI #	29837648
NCBI GeneID	260293
NCBI Accession #	NP_828847.1
UniProt Primary Accession #	Q8N118
UniProt Secondary Accession #	Q5VVE5; Q6ZN67; Q8NAZ3; G3V1U1
UniProt Related Accession #	Q8N118
GenBank Nucleotide #	NM_178033.1
NCBI Official Full Name	cytochrome P450 4X1
NCBI Official Synonym Full Names	cytochrome P450, family 4, subfamily X, polypeptide 1
NCBI Official Symbol	CYP4X1
NCBI Official Synonym Symbols	CYPIVX1
UniProt Protein Name	Cytochrome P450 4X1
UniProt Synonym Protein Names	CYPIVX1
Protein Family	Cytochrome
UniProt Gene Name	CYP4X1
UniProt Entry Name	CP4X1_HUMAN
NCBI Protein Information	cytochrome P450 4X1
NCBI Summary for CYP4X1	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. [provided by RefSeq, Jul 2008]
UniProt Comments for CYP4X1	CYP4X1: a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. [provided by RefSeq, Jul 2008] Protein type: EC 1.14.14.1; Oxidoreductase Chromosomal Location of Human Ortholog: 1p33|1 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: iron ion binding; heme binding
Research Articles on CYP4X1	**1.** PPARalpha has a role in CYP4X1 regulation, and the glucocorticoid and progesterone receptors have roles in CYP4Z1 gene activation
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