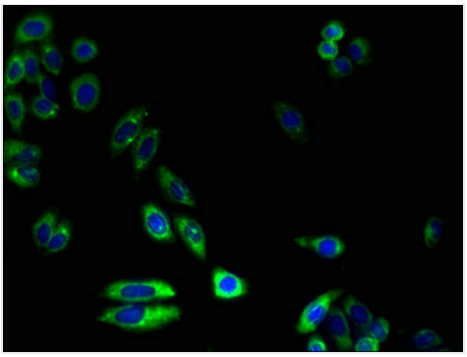
CYP4X1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYP4X1, Polyclonal Antibody
Full Product Name	CYP4X1 Antibody
Product Gene Name	anti-CYP4X1 antibody
Product Synonym Names	Cytochrome P450 4X1; CYPIVX1; CYP4X1; UNQ1929/PRO4404
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: CYP4X1 (MBS7005197) Biotin Conjugated Antibody: CYP4X1 (MBS7000178)
Matching Pairs	Unconjugated Antibody: CYP4X1 (MBS7005197) FITC Conjugated Antibody: CYP4X1 (MBS7001479)
Matching Pairs	Unconjugated Antibody: CYP4X1 (MBS7005197) HRP Conjugated Antibody: CYP4X1 (MBS7005912)
Molecular Weight	50,944 Da
OMIM	614999
3D Structure	ModBase 3D Structure for Q8N118
Immunogen	Recombinant human Cytochrome P450 4X1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-162726
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CYP4X1 antibody	ELISA (EIA), Immunohistochemistry (IHC), Immunofluorescence (IF)
Related Product Information for anti-CYP4X1 antibody	MBS7005197 is an antibody targeting CYP4X1. Also known as CYP4X1 Antibody. Reactive in Human. 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.



Immunohistochemistry (IHC) of anti-CYP4X1 antibody
Immunohistochemistry of paraffin-embedded human adrenal gland tissue using MBS7005197 at dilution of 1:100



Immunofluorescence (IF) of anti-CYP4X1 antibody
Immunofluorescent analysis of HepG2 cells using MBS7005197 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

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 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily X member 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 and is located within a cluster of genes belonging to this superfamily on chromosome 1. 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

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: Oxidoreductase; EC 1.14.14.1 Chromosomal Location of Human Ortholog: 1p33|1 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: heme binding; iron ion binding
Research Articles on CYP4X1	**1.** Key residues were identified to be responsible for the binding of arachidonic acid and anandamide with orphan human cytochrome P450 4X1.
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