

Rabbit anti-Human CYP4V2 Polyclonal Antibody | anti-CYP4V2 antibody

CYP4V2 Antibody

CATALOG # AAA231728	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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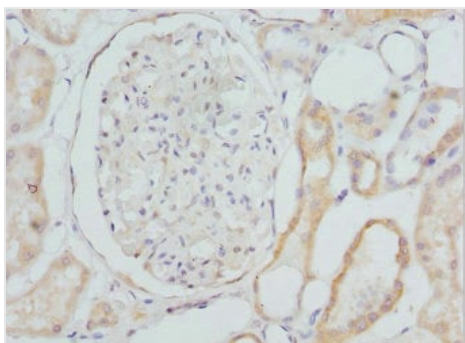
PRODUCT SYNONYMS

CYP4V2; Polyclonal Antibody; CYP4V2 Antibody; Cytochrome P450 4V2; Docosaheptaenoic acid omega-hydroxylase CYP4V2Curated; anti-CYP4V2 antibody

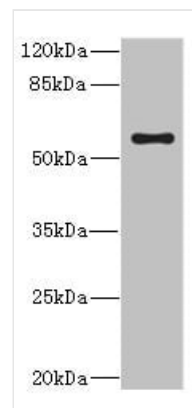
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	525
Applicable Applications for anti-CYP4V2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Cytochrome P450 4V2 protein (C-280AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-104182 / sc-104183
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human kidney tissue using AAA231728 at dilution 1:100


WB (Western Blot)

Western blotAll lanes: CYP4V2 antibody at 0.85ug/ml+Jurkat whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 61,59 kDaObserved band size: 61 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CYP4V2 antibody	Omega-hydroxylase that oxidizes medium-chain saturated fatty acids and polyunsaturated omega-3 fatty acids, and which plays a role in fatty acid and steroid metabolism in the eye (PubMed:19661213, PubMed:22772592). Catalyzes the omega-hydroxylation of medium-chain saturated fatty acids such as laurate, myristate and palmitate in an NADPH-dependent pathway. The substrate specificity is higher for myristate > laurate > palmitate (C14>C16>C12) (PubMed:19661213). Acts as a polyunsaturated omega-3 fatty acids hydroxylase by mediating oxidation of docosahexaenoate (DHA) to 22-hydroxydocosahexaenoate (PubMed:22772592). Also produces some 21-hydroxydocosahexaenoate. Also converts eicosapentaenoate (EPA) to 20-hydroxyeicosapentaenoate (20-OH-EPA) (PubMed:22772592).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960086
NCBI GeneID	285440
NCBI Accession #	NP_997235.3
NCBI GenBank Nucleotide #	NM_207352.3
UniProt Accession #	Q6ZWL3; Q6ZTM4; B7U6W2
Molecular Weight	58,166 Da
NCBI Official Full Name	cytochrome P450 4V2
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily V member 2
NCBI Official Symbol	CYP4V2
NCBI Official Synonym Symbols	BCD; CYP4AH1
NCBI Protein Information	cytochrome P450 4V2
UniProt Protein Name	Cytochrome P450 4V2
UniProt Gene Name	CYP4V2
UniProt Entry Name	CP4V2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyp4v2-antibody-immunohistochemistry-western-blot-elisa/231728>