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Product datasheet for AP50131PU-N

AKR1C2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 295-323 amino acids from the C-terminal region of human AKR1C2
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Predicted Protein Size:	36.6 kDa
Gene Name:	aldo-keto reductase family 1, member C2
Database Link:	NP_001345 Entrez Gene 1646 Human P52895
Background:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14.
Synonyms:	3-alpha-HSD3; AKR1C-pseudo; BABP; DD; DD-2; DD/BABP; DD2; DDH2; FLJ53800; HAKRD; HBAB; MCDR2
Protein Families:	Druggable Genome

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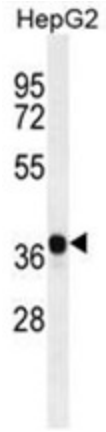
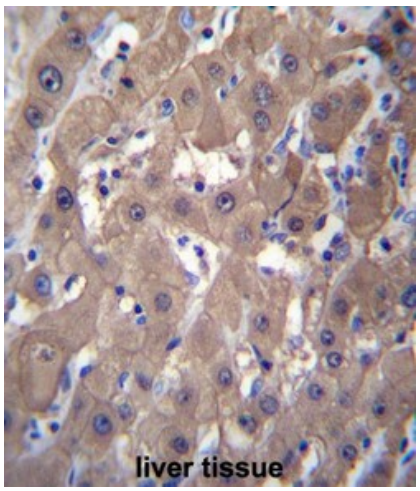
Protein Pathways: Metabolism of xenobiotics by cytochrome P450

Product images:



AKR1C2 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35 ug/lane).This demonstrates the AKR1C2 antibody detected the AKR1C2 protein (arrow).



AKR1C2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AKR1C2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.