

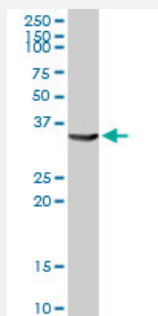
MaxPab®

AKR1C4 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001109-D01

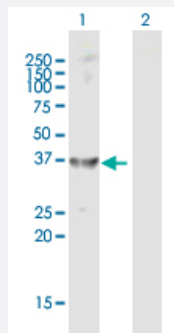
Size 100 uL

Applications



Western Blot (Tissue lysate)

AKR1C4 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C4 expression in human liver.

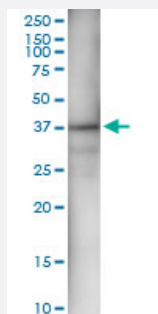


Western Blot (Transfected lysate)

Western Blot analysis of AKR1C4 expression in transfected 293T cell line ([H00001109-T01](#)) by AKR1C4 MaxPab polyclonal antibody.

Lane 1: AKR1C4 transfected lysate(37.20 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of AKR1C4 transfected lysate using anti-AKR1C4 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with AKR1C4 MaxPab mouse polyclonal antibody (B01) ([H00001109-B01](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human AKR1C4 protein.

Immunogen	AKR1C4 (AAH20744.1, 1 a.a. ~ 323 a.a) full-length human protein.
Sequence	MDPKYQRVELNDGHFMPVLGFGTYAPPEVPRNRAVEVTCLAIEAGFRHIDSAYLYNNEEQVGLAIR SKIADGSVKREDIFYTSKLWCTFFQPQMVQPALESSLKKLQLDYVDLYLLHFPALKPGETPLPK DENGKIVFDTVDSLATWEVMEKCKDAGLAKSIGVSNFNRYRQLEMILNKPGLKYKPVCNQVECHPY LNQSKLLDFCKSKDMLVAHSALGTQRHKLWDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQ RGVVVLAKSYNEQRIRENIQVFEFQLTSEDMKVLGDGLNRNYRYVVMDFLMDHPDYPFSDEY
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

AKR1C4 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C4 expression in human liver.

[Protocol Download](#)

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[Protocol Download](#)

Gene Info — AKR1C4

Entrez GeneID [1109](#)

GeneBank Accession# [BC020744.1](#)

Protein Accession#	AAH20744.1
Gene Name	AKR1C4
Gene Alias	3-alpha-HSD, C11, CDR, CHDR, DD4, HAKRA, MGC22581
Gene Description	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)
Omim ID	600451
Gene Ontology	Hyperlink
Gene Summary	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 by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]
Other Designations	3 alpha-hydroxysteroid dehydrogenase/dihydrodiol dehydrogenase 4[OTTHUMP00000018997]aldo-keto reductase family 1, member C4[chlordecone reductase[dihydrodiol dehydrogenase 4[dihydrodiol dehydrogenase isozyme DD4[type I 3-alpha-hydroxysteroid dehydrogenase

Pathway

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- [C21-Steroid hormone metabolism](#)
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- [Metabolism of xenobiotics by cytochrome P450](#)
- [Primary bile acid biosynthesis](#)

Disease

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- [Atherosclerosis](#)
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- [Breast Neoplasms](#)

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